

# Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 1996

## W.T.F.D.A. NOW ON THE WORLD WIDE WEB!

(see page 2...)



# WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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MATT SITTEL, DOUG SMITH, STEVEN SPRACHMAN, STEPHEN WEST, THOMAS J.  
YINGLING, JR.

## **FROM THE STAFF:**

**STUDENT MEMBERSHIP-special rate:** In an effort to encourage members to remain active in the WTFDA while continuing their education we are pleased to offer a special \$15 student member fee. The new rate is now available but is not retroactive. To qualify, enclose a copy of a current student ID card or schedule of classes with your next renewal. The discounted rate will take effect at that time and continue in force until the first renewal date after your student status has ended. This rate is available to all full-time students regardless of age.

**WTFDA ON THE "WEB":** If you have access to the World Wide Web, you'll want to check out the club's home page. To get our presence established, David Austin of Fairfax, VA transformed what had been his personal home page into a showplace for the WTFDA...and it's a site in which we can take great pride. In addition to a considerable amount of information about the club and the hobby in general, there are links to other areas of interest to dxers. Numerous additions are already in the planning stages. Here's the address:

<http://www.crosslink.net/~fdaustin/wtfda.html>

Those who don't have access to the Internet should consider visiting a friend who does...just to take a look at what we have to offer. You WILL be impressed!

**IMPORTANT DATES:** The WTFDA annual convention...August 9-11 in Estes Park, CO. Host Jim Thomas has set up an agenda second to none. You'll find more information elsewhere in this issue. Jim recommends that you arrange with a fellow dxer to share a cabin and get your reservation in early. The folks at Dripping Springs would also appreciate prompt attention. The IRCA (International Radio Club of America) will be holding its 1996 convention July 19-21 in Ocala, FL. Lee Freshwater (also a WTFDA member) will be hosting. Last, but not least, The NRC (National Radio Club) will convene Labor Day weekend in Knoxville, TN. Steve Francis will be the NRC's host.



## FROM THE STAFF---continued:

**1997 WTFDA CONVENTION BIDS:** The final step in long range planning of WTFDA conventions will begin next month with solicitation of bids for next year's get-together. Although there is no way of knowing who will bid; a few members have expressed interest in several possible sites...Southern Ontario, the 'Outer Banks' area, and west-central Illinois. If you live in any of those locales, please give some extra thought to volunteering. Of course any member will be welcome to bid. More on this next month.

**TELECONFERENCE:** Three members of the Board of Directors got together by way of a conference call in late January. The exchange was very productive and resulted in finalization of several pending actions. Until all Board members have Internet access, more such calls will be used to conduct club business.

**ADDRESS CHANGE:** The new mailing address for virtually all WTFDA correspondence will be announced next month. Until the change takes place, please continue to use the Buffalo address.

**INFORMATION PLEASE!** The 'information highway' has created an increased demand for information about the WTFDA. At present, samples of the VUD are sent to those who inquire...and soon...a brief overview of the club will accompany them. In addition, a special information piece for new members is being prepared for distribution. Thanks to Dave Nieman and Matt Sittel for their efforts in getting these promotional/informational pieces ready.

**ANARC NEWS:** Two items of potential interest to our members arrived too late to receive adequate publicity. One was an announcement of a shortwave listening contest March 4-10; and the other regarding ANARC's Winter SWL Festival March 15 and 16 in Kulpsville, PA. Those interested in last-minute information on either of those events should contact Rick D'Angelo via e-mail (INTERNET: r.dangelo3@genie.com). WTFDA will be represented at the Kulpsville meeting by Ernie Wesolowski. Among items on the agenda will be the naming of "DXer of the Year". Nominees are Tom Bryant, Mark Connelly and Kermit Geary. Finally, the ANARC home page on the WWW is under construction, and can be accessed at <http://www.funet.fi/pub/dx/text/clubs/anarc.txt>.

**O U C H !!** Icing and high winds resulted in antenna damage for several club members...among them, usually mild-mannered Ralph Strobel of Muncie, IN. Ralph said a really nasty word when commenting about the untimely demise of his setup. (Ralph...you're excused...almost all of us have suffered the dreaded curse of the 'pulverized parabolic!')

**REPORT...REPORT...REPORT!** Send your dx reports to the appropriate column editors. Photos of your dx catches are always welcomed by "TV PHOTO NEWS" editor Jeff Kruszka. Comments, suggestions, and complaints should be directed to "MAILBOX" editor Matt Sittel.

# WTFDA Mailbox

March 1996

Matthew C. Sittel  
110 Bear Creek Lane, Apt. A-4  
Asheville, NC 28806-1691  
76255.2171@Compuserve.com

## March, 1996 Renewals Due:

Doug Allen, John F. Combs, Edward R. Cotton, Bill Draeb, Frank Drobny, Pat Dyer, Charles Gauthier, Gerard Hart, Carlon Howington, Glenn Jacobs, Neil A. Joslun, Jim Korn, Roger Labedz, Thomas Leu, Gregory Monti, James J. Nahiriak, David J. Nieman, Jim Pizzi, Robert Seybold, Joseph Smith, Jr., Scott Steenhusen, Richard Steinberger, Phil Sullivan, Pete Taylor, Bob Thomas, Bill Thompson.

## New on the 'Net / E-mail changes :

David Austin, Fairfax VA  
Mike Condon, Madison WI  
Charles Gauthier, Saint-Lambert PQ  
Paul Mitschler, Albuquerque NM  
David J. Nieman, Akron NY  
Steven Paradies, Charlottesville VA

fdAustin@crosslink.net (change)  
M.Condon3@genie.com (new)  
chgauthi@atlas.odyssee.net (new)  
pmitschler@aol.com (new)  
dxfmtv@buffnet.net (new)  
72172.105@Compuserve.com (new)

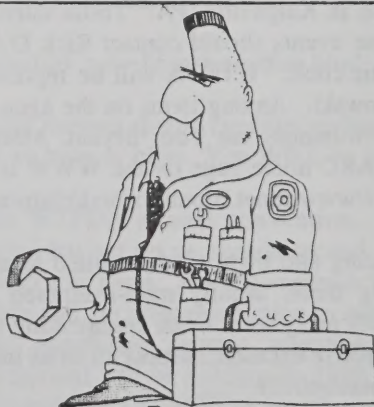
**\*\* Coming soon: a new WTFDA mailing address!**

The infamous 'PO Box 514' in Buffalo will soon be replaced by a new PO Box in Asheville, NC. Matt Sittel, WTFDA Mailbox editor, will become the 'postmaster general' for WTFDA. There will be some changes, including a separate address to mail WTFDA columns to publisher Bill Thompson. Matt will be handling the membership renewals and general correspondence that is currently sent to Buffalo. Many thanks to Bill Thompson for his time and effort in not only publishing the VUD but manning the mailbox and handling all the details! It's time for others to lend a hand, hence this upcoming change.

A complete explanation of where to send items will appear when the new address is announced.

It's been a quiet month; I don't have any Mailbox correspondence to share...Please contribute! 73s Matt.

toons <sup>by</sup> OLD WEST  
GRAPHICS



"About the radio, you're probably not going to like this.  
How old is that thing, anyway?"





# WTFDA 1995 FINANCIAL REPORT

DAVE JANOWIAK, COMPTROLLER

"YOUR \$ AND THE WTFDA", published in the October 1995 VUD, described in detail how financial matters are handled for our organization. That article stated that a yearly financial report for 1995 would appear after the close of the year.

The balance sheet shows that WTFDA made almost a \$400 profit in 1995. This improvement is due primarily to several members who renewed for two years prior to the dues increase. That is, without the two-year renewals, expenses virtually matched income. The 1995 WTFDA bank balance is \$2393 at year-end.

Specifically, income and expenses follow:

<u>1995 INCOME</u>		<u>1995 EXPENSES</u>	
MEMBERSHIP/MISC	\$6908	DIRECT EXPENSES	\$6435
INTEREST	\$ 71	MISC EXPENSES	\$ 164
	-----		-----
<b>TOTAL INCOME</b>	<b>\$6979</b>	<b>TOTAL EXPENSES</b>	<b>\$6599</b>

Virtually all income is from membership. This does not necessarily mean the "current" rate. Occasionally, someone joins based on an "old" rate (person sees an old ad). Sometimes a member sends an amount over the current rate and asks for as many months as that amount will buy. Box 514 even gets stamps for membership.

Direct expenses are for printing and postage invoiced from Bill Thompson. Miscellaneous expenses usually are for stamps, photo work, subscriptions, etc.

The most expensive month for publishing in 1995 was September, about \$900. The cheapest was April, about \$320. These amounts include an average for miscellaneous expenses. Needless to say, we make money on small VUDs, but lose on large VUDs.

Dave Janowiak  
5023 S. 65 St.  
Greenfield, WI 53220

**Note:** When asked to prepare this report, Dave Janowiak asked the Board of Directors if it would be necessary to go into great detail with regard to income and expenditures. It was decided that 'line-item' entries would not be necessary. The result was this concise, easy-to-read summary. If you have further questions regarding WTFDA finances, please write Dave at the address shown above.

# COME TO THE ROCKIES FOR THE 1996 WTFDA CONVENTION!



*North Central Colorado highlights the transition between the Great Plains and the high Rockies. From the western edge of its rolling prairie begins the gentle rise of foothills, gaining in altitude ridge by ridge to windswept mountaintops fourteen thousand feet above sea level. Rocky Mountain National Park is a treasure, with an abundance of high mountain lakes, inviting meadows and lofty peaks. The town of Estes Park is a charming vacation community, providing a convenient starting point for scenic mountain drives.*

**With a description like this,  
who can think about FM  
and TV dxing???**

You're certain to want to find out  
about the broadcasting trends that  
are happening in the Rockies.



**Estes Park**

**AUGUST 9 - 11, 1996. MAKE YOUR PLANS NOW!!**

Lodging will be at the Dripping Springs B&B/Cabins, two miles east of Estes Park on US Highway 34. Call 1-970-586-3406 and talk with owners Oliver & Janie Robertson about the rooming choices. We will basically have the place to ourselves if we can fill it up - holds 25 to 30 people. Room rates run from \$74.00 to \$89.00 per night(sleeps two), and a cabin which sleeps three for \$95.00 per night.

**WANT AN INFORMATION PACKET?** Send \$1.00 (free if you've registered) to Jim Thomas, 4437 S. Stover, Apt. 3, Ft. Collins, CO 80525 and get a complete WTFDA Convention Packet(includes travel information). **MORE DETAILS NEXT MONTH!!!**



# HAVE YOU MADE PLANS FOR THE 1996 WTFDA CONVENTION YET!???

## August 9 -11, 1996 Estes Park, Colorado



This summer make plans to get a Rocky Mountain high! Also, make plans to attend the 1996 WTFDA Convention at the Dripping Springs B&B/Cabins in Estes Park, Colorado. And then - prepare to swap those horrible war stories of your battling E-skip, tropo scatter and meteor skip signals. Yes, you can do it all with your WTFDA friends. IT MIGHT BE ONE OF THOSE SUMMERS WHEN YOU CAN SAY - "SEEN THAT, BEEN THERE, DONE THAT!"

Here's the brief itinerary: FRI. afternoon, evening - Welcome, getting acquainted

SAT. morning - Breakfast(PROVIDED WITH ROOM)  
DX Competitions with awards

SAT. afternoon(early) - Radio station tours  
in Ft. Collins

SAT. afternoon(late) - BBQ catered banquet  
30 minute seminars

SAT. evening - DXING and visiting

SUN. morning - Breakfast, dxing, visits, goodbyes

GET A COMPLETE  
ITINERARY, BBQ MENU  
AND AREA TRAVEL INFO  
WITH YOUR INFO PACKET!  
CHECK THE BOX BELOW!

Please complete this form if you plan on attending. Please mail to Jim Thomas, 4437 S. Stover, #3  
Ft. Collins, CO 80525.

☐ I WANT MY INFO PACKET!!

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

EVENING TELEPHONE \_\_\_\_\_

Check all that apply:

- ☐ CONVENTION REGISTRATION FEE, \$5.00 - Goes towards purchase of drinks/snacks.
- ☐ I PLAN ON STAYING AT DRIPPING SPRINGS B&B/CABINS (Reservations 970-586-3406)
- ☐ I PLAN ON ENJOYING THE BANQUET(\$12.50 ALL YOU CAN EAT - Pay at convention)

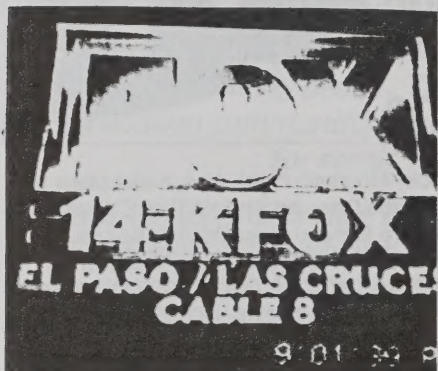
# PHOTO-NEWS

Jeff Kruszka, Editor  
5024 S. Braxton  
Baton Rouge, LA 70817

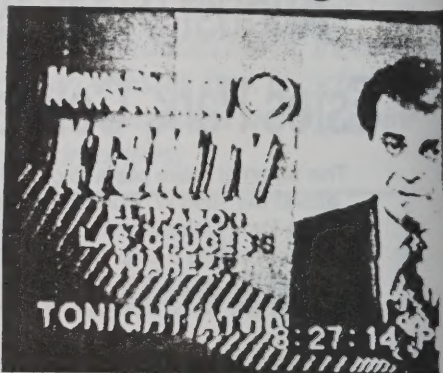
March 1996

Thanks to all who have been sending in photos. I would like to try to keep this column as expansive as the volume of photos will allow me. This month I thought I'd start by breaking away from the norm and print some vacation ID photos I took over the past year and a half. Though not "true" DX, they will give you a view of some logos and ID slides from some lesser seen stations (at least for the majority of the reporters). You can think of it as sort of a Photo "Logos Run" (my apologies to Tom Yingling!). I videotaped my ID's, then took photos later (for some reason my camera is not centering the shot, so a sliver of the right side of the screen is missing). Let me know what you think.

73's, *Jeff*



KFOX-14 El Paso, TX  
seen 11/11/94 (El Paso cable)



KTSM-9 El Paso, TX  
seen 11/11/94 (El Paso cable)

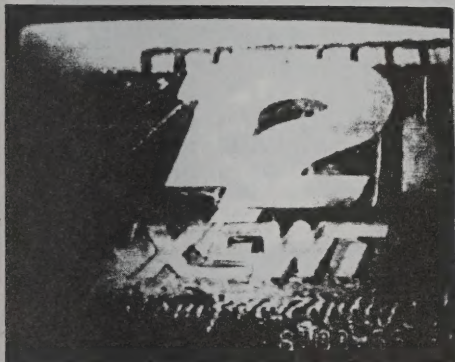


KAET-8 Phoenix, AZ  
seen 11/12/94 (Phoenix cable)



KSAZ-10 Phoenix, AZ  
seen 11/12/94 (Phoenix cable)





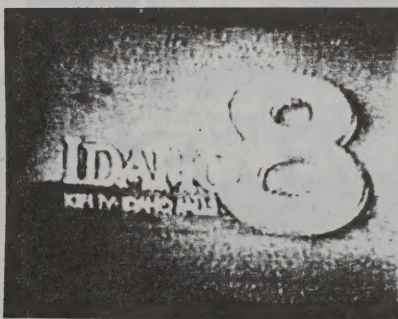
XEWT-12 Tijuana, BCN  
seen 11/13/94 (San Diego cable)



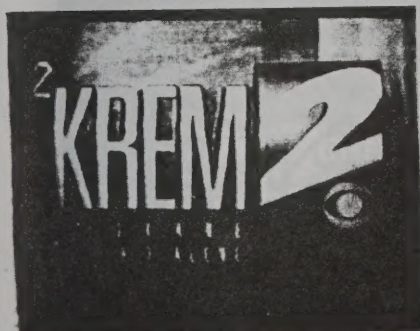
KNAZ-2 Flagstaff, AZ  
seen 11/14/94 (Flagstaff cable)



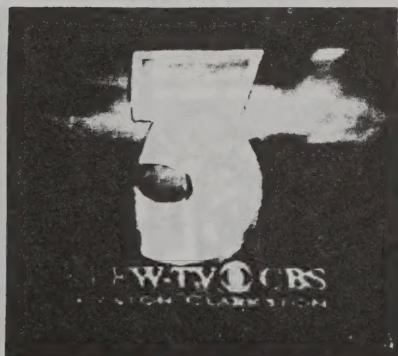
KBIM-10 Roswell, NM  
seen 11/15/94 (Clovis cable)



KIFI-8 Idaho Falls, ID  
seen 8/7/95 (Pocatello cable)



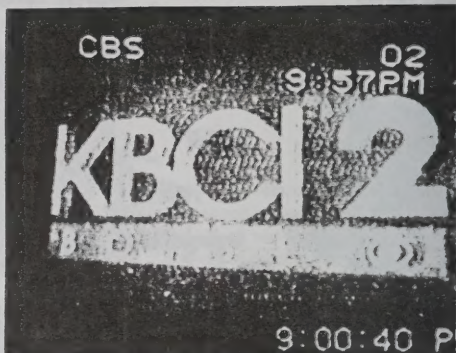
KREM-2 Spokane, WA  
seen 8/8/95 (Lewiston cable)



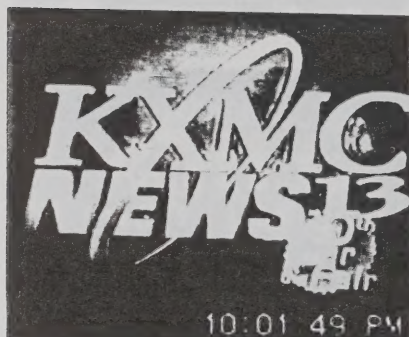
KLEW-3 Lewiston, ID  
seen 8/8/95 (Lewiston cable)



KPDX-49 Vancouver, WA  
seen 8/9/95 (Bend, OR cable)



KBCI-2 Boise, ID  
seen 8/12/95 (Mountain Home cable)



KXMC-13 Minot, ND  
seen 7/20/95 (Minot cable)



KMOT-10 Minot, ND  
seen 7/20/95 (Minot cable)

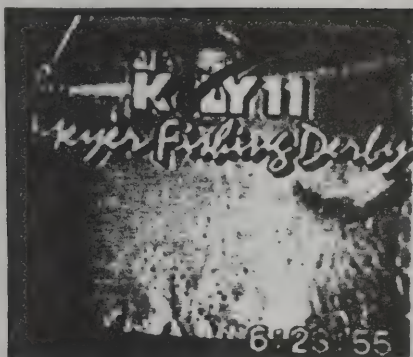


KDLT-5 Mitchell, SD  
seen 7/21/95 (Aberdeen cable)

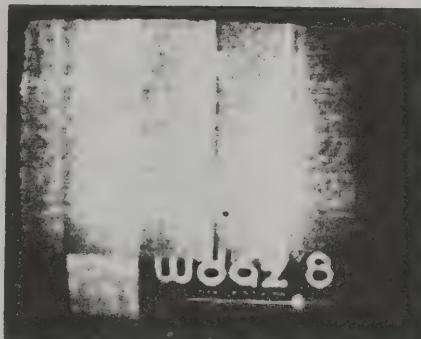


KDLO-3 Garden City, SD  
seen 7/21/95 (Aberdeen cable)



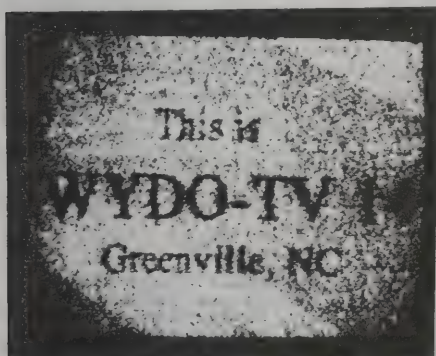


KVLY-11 Fargo, ND  
seen 7/22/95 (Grand Forks cable)

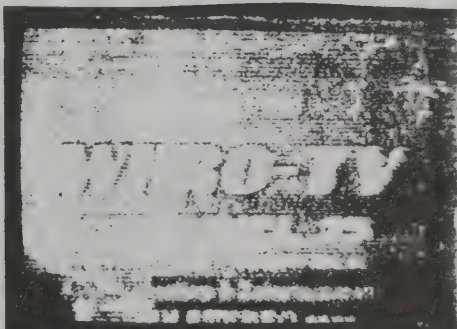


WDAZ-8 Devils Lake, ND  
seen 7/23/95 (Grand Forks cable)

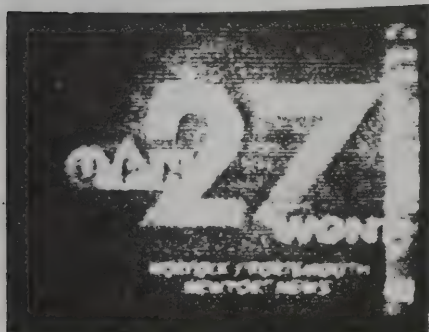
Now more photos from Dave Nieman, from Rock City, NY:



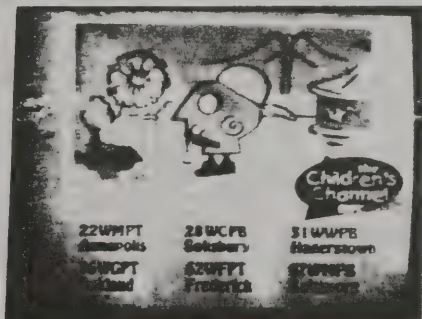
WYDO-14 Greenville, NC  
450 mi Tr seen 8/20/95  
@0348 EST



WHRO-15 Hampton, VA  
374 mi Tr seen 8/20/95  
@0730 EST



WGNT-27 Norfolk, VA  
374 mi Tr seen 8/20/95  
@0800 EST



WCPB Salisbury, MD  
292 mi Tr seen 8/20/95  
@0830 EST

# STATISTICS

Featuring FM/TV Scoreboards, All Time Distance Records,  
States Stats and Personal Best Statistics of FM/TV DXers.  
(Column issued bi-monthly. 1996 Deadlines:  
Apr 5th, Jun 5th, Aug 5th, Oct 5th & Dec 5th)

Fred Nordquist  
7945 Boxford Rd  
Clay, NY 13041  
E-Mail:

fnordqui@erc.col.syr.edu

UPDATED 2/13/96

TOP 10 FM SCOREBOARD

DEADLINE: THE 5TH

DXER NAME	DXER LOCATION	TOTAL	88-92	ES	MS	AU	USA	CN	MX	FO	TPU	YB	AS	OF:	DATE
DYER PAT	TX SAN ANTONIO	2836	441	2327	78	0	44+	4	21	5	75	70	12/31/94	96	
PUGH KEITH	AL NEW HOPE	2380	382	1324	108	18	47+	7	14	6	75	83	12/28/95	96	
STROBEL RALPH	IN MUNCIE	2324	621	773	180	7	43+	7	5	2	58	72	01/09/95	95	
CONIGLIO GREG	NY WILLIAMSVILLE	2056	340	1066	16	32	41+	8	2	5	57	85	10/12/95	95	
BUNTIN DANNY	OK STILLWATER	2032	344	1210	4	0	48+	5	9	2	65	74	07/01/94	94	
EBELING JOHN	MN BLOOMINGTON	1924	326	1074	57	89	48+	6	5	0	60	52	01/01/96	96	
FELA JOSEPH	NJ S. PLAINFIELD	1924	418	1059	2	10	38+	6	0	3	47	68	09/09/95	95	
ELVING BRUCE	MN ESKO-DULUTH	1833	340	1400	9	8	47+	4	2	0	54	48	02/02/96	96	
BUGAJ MIKE	CT ENFIELD	1758	245	970	25	23	37+	5	1	3	47	74	11/18/94	94	
NORDQUIST FRED	NY CLAY	1732	372	865	48	59	42+	5	0	3	51	69	12/29/95	96	

UPDATED 2/13/96

TOP 10 TV SCOREBOARD

DXER NAME	DXER LOCATION	TOTAL	UHF	LPTV	ES	MS	AU	USA	CN	MX	FO	TPU	YB	AS	OF:	DATE
KADET JEFF	IL MACOMB	1433	947	441	245	3	0	45+	7	11	7	71	83	05/28/95	95	
SEYBOLD BOB	NY DUNKIRK	1335	771	225	217	30	6	49+	7	1	5	63	50	01/01/96	96	
GARCIA FERNANDO	NL MONTERREY	702	467	173	107	0	0	31	0	8	5	44	91	12/31/95	95	
SIEGEL GARY	OH TOLEDO	632	299	45	147	0	0	39+	6	2	2	50	70	11/12/94	94	
FERNANDO GARCIA	NL CD. GUADALUPE	560	356	117	96	0	0	30	0	7	5	42	91	03/19/95	95	
NIEMAN DAVID	NY AKRON	556	366	77	90	5	0	37+	7	0	0	45	84	03/01/94	94	
BARSTOW ROY	MA TEATICKET	515	317	90	99	5	1	36+	7	0	1	45	71	10/24/95	95	
DYER PAT	TX SAN ANTONIO	478	148	9	195	64	0	42+	5	16	4	68	59	12/31/93	94	
CONIGLIO GREG	NY WILLIAMSVILLE	446	269	43	93	0	0	35	6	0	2	43	86	10/14/95	95	
NIEMAN DAVID	NY ROCK CITY	425	309	69	36	0	0	32+	5	0	0	38	91	10/02/95	95	

NOTE: THE FULL SCOREBOARDS WILL RETURN NEXT TIME - FRED.

## WTFDA DX AWARDS PROGRAM

EXTENDED DEADLINE - 4/10/96

To give DXers ample time to tally up their 1995 DX accomplishments

Annual DX Logs: - FM 1st Place & Runner Up - TV 1st Place & Runner Up

(Notes 3 thru 4 Apply. No relogs.)

Annual Records: E-Skip greatest distance - 1st Place FM/TV 1 ea.

Tropo greatest distance - 1st Place FM/TV 1 ea.

Au greatest distance - 1st Place FM/TV 1 ea.

MS greatest distance - 1st Place FM/TV 1 ea.

(Notes 1 thru 4 apply, except relogs are permitted)

Single Day Event, Greatest log 24 hrs: E-Skip: 1st Place Tropo: 1st Place

Au: 1st Place MS: 1st Place

The continuous 24 hr period may cover parts of 2 calendar days.

(Notes 3 thru 4 apply, except relogs are permitted.)

Hall of Fame - FM 2000+ logs - TV 1000+ logs

(Notes 3 thru 4 apply. No relogs.)

### Notes:

- Greatest distance entries will be recalculated by Statistics Editor-using DXers location and stations city of license grid coordinates.
- Records must be log documented: i.e. Date/Prop/Time/Freq(MHz/Ch)/Call/Location/ID criteria.
- Loggings are to be in accordance with groundrules for computing totals cited in the Feb 95 VUD and reprinted in this issue.  
(1 DX location only, within 25 mi. radius).
- 1995 Entries will be accepted for loggings made 1/1/95 thru 12/31/95.  
This program is open to current WTFDA members who submit entries to the Statistics Editor (Fred Nordquist) via e-mail or snail mail, and received by the revised cutoff date of 4/10/96. Announcements of recipients of DX Awards will be published in the May 96 VUD Statistics Column.  
Professionally prepared certificates by Jim Thomas (Old West Graphics) are now on hand and will be awarded to recipients by May 96.

This is your last chance to review your 1995 logbook and tally up and submit those possible award winning categories. Again, as a bonus to Hall of Fame award winners, I'll donate a printout of personalized DX distances.  
Any suggestions for improving future DX Awards programs are welcome. Fred.



## FM STATISTICS

AS OF: 2/13

## STATES STATS

PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER
USA					USA(CONT)					CANADA					MEXICO				
AL	163	KPU-	69	MS12	MT	30	JJE2	28	JEB2						AGU(AG)	2	MS12	1	JPI-
AK	11	JJE3	0	None	NE	80	MHA-	54	KPU-	AB	30	JJE2	29	JJE2	BCN(BN)	16	PDY-	10	FMC-
AZ	51	PDY-	39	JJE2	NV	28	PDY-	24	DBU-	BC	20	JJE2	11	JEB2	BCS(BS)	1	PDY-	1	JZO-
AR	86	DOD-	63	DBU-	NH	35	RST1	17	AM1-	MB	15	FMC-	13	FMC2	CAM(CE)	2	KPU-	1	SW11
CA	428	JJE2	135	PDY-	NJ	89	JFE-	73	RSM-	NB	11	FME1	7	RST1	CHI(CI)	9	FME1	9	MHA-
CO	122	DAL-	85	KPU-	NM	69	KPU-	51	JJE2	NF	13	JFE-	13	DN11	CNP(CH)	3	PDY-	0	None
CT	49	NBU-	42	AM1-	NY	244	FMO-	198	DN1-	NS	15	FME1	11	KPU-	COA(CL)	12	KPU-	8	FME1
DE	19	DOE-	17	JFE-	NC	124	MS11	91	PDY-	ON	133	DN1-	131	GCO-	DF (DF)	21	TMC-	21	JPI-
FL	175	MS12	168	PDY-	ND	34	FMC-	34	FMC2	PEI	2	JFE-	2	RST-	DUR( )	1	PDY-	0	None
GA	131	KPU-	114	PDY-	OH	242	RST-	177	FME-	PO	31	DN1-	29	GCO-	GRO(GR)	7	PDY-	1	JPI-
HI	29	SRE1	0	None	OK	139	DBU-	131	JZO-	SK	12	FME1	10	JJE2	GTO(GW)	9	JPI-	2	TMC-
ID	28	DBU-	28	PDY-	OR	31	JPI-	29	FMC2	NMT	1	WHE2	1	JJE2	HGO(HD)	1	JPI-	0	None
IL	225	FME1	222	RST-	PA	172	DN11	145	JFE-	-----					JAL(JA)	12	TMC-	10	PDY-
IN	219	RST-	132	DBR-	RI	14	WMO-	14	RST1	FOREIGN					MEX(MC)	3	JPI-	3	PDY-
IA	127	JEB-	120	BR-	SC	74	PDY-	61	MS11	CUBA	6	RST-	6	KPU-	MIC(MH)	3	JPI-	1	PDY-
KS	106	DBU-	90	TBR-	SD	48	KPU-	40	JJE2	BELIZ	3	PDY-	3	KPU-	MOR(MR)	5	PDY-	3	JPI-
KY	120	RST-	80	KPU-	TN	165	KPU-	95	DSM1	BERMU	3	DN1-	3	GCO-	NL (NL)	20	SW11	19	KPU-
LA	77	JFE-	73	GCO-	TX	339	PDY-	235	KPU-	EL SA	8	PDY-	4	SW11	OAX(OX)	1	JPI-	1	PDY-
ME	47	RST1	41	KPU-	UT	33	PDY-	23	FME1	GUATE	20	PDY-	5	SW11	NAY(NA)	1	PDY-	0	None
MD	61	JFE-	54	DOE-	VT	20	KPU-	17	RST1	HONDU	5	SW11	3	PDY-	PUE(PU)	5	PDY-	4	TMC-
MA	105	RST1	77	NBU-	VA	67	MS11	66	JFE-	JAMAI	29	KPU-	11	MS12	SIN(SN)	3	JJE2	1	DBU-
MI	173	RST-	139	FME-	WA	46	FMC2	35	DAL-	PUERT	4	KSI-	1	DN1-	SLP(SL)	2	TMC-	2	KPU-
MN	227	JEB2	218	JEB-	WV	68	GMA1	40	RST-	D.REP	1	MS12	1	KSI-	SOM(SO)	8	JJE2	5	PDY-
MS	96	KPU-	64	TMC-	WI	143	BEL2	140	JEB-	BAHAM	2	KPU-	1	WMO-	TAB(TB)	4	KPU-	2	PDY-
MO	175	GMO-	143	FME1	WY	31	RST-	26	PDY-	COSTA RICA	6	SW11			TAM(TM)	25	SW11	21	KPU-
					DC	14	GMA-	13	DN1-	CAYMAN ISL	3	KPU-			( ) (TZ)	1	KPU-	0	None
															VCZ(VZ)	11	SW11	9	JPI-
															YUC(YU)	4	SW11	3	MS12
															( ) (ZA)	1	KPU-	0	None

STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) LOGGED FROM

LOGGED FROM A SINGLE SPECIFIED DXER'S LOCATION. FIRST AND SECOND PLACE DXERS ARE

LISTED ONLY. OTHERS THAT ARE TIED FOR SECOND ARE NOT LISTED....FJM.

## TV STATISTICS

AS OF: 2/13

## STATES STATS

PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER	PU	#	DXER	#	DXER
USA					USA(CONT)					CANADA					MEXICO				
AL	47	FGA-	46	JKA-	MT	8	JKA-	6	PDY-	AT	9	JKA-	2	PDY-	BCN(BN)	2	FGA-	2	PDY-
AK	0	None	0	None	NE	29	JKA-	19	MHA-	BC	1	FWM-	0	None	BCS(BS)	2	PDY-	0	None
AZ	5	JKA-	5	PDY-	NV	3	FGA-	3	PDY-	MB	7	JKA-	3	FWM-	CHI(CI)	5	JKA-	2	JKR-
AR	26	JKA-	10	PDY-	NH	11	RBA-	10	RST1	NB	20	RM12	9	RBA-	CNP(CH)	2	FGA-	0	None
CA	7	PDY-	2	FGA-	NJ	16	RSM-	11	DN11	NF	5	RBA-	4	GCO-	COA(CL)	10	FGA-	4	JKA-
CO	16	JKA-	12	PDY-	NM	5	JKA-	5	PDY-	NS	34	RM12	30	RBA-	COL( )	1	JKR-	0	None
CT	20	RBA-	12	RSM-	NY	96	DN1-	82	FMO-	ON	84	DN1-	77	GCO-	DF (DF)	2	PDY-	1	JKR1
DE	5	RSM-	3	RM12	NC	33	RBA-	21	FGA-	PEI	5	RM12	1	RBA-	GRO(GR)	2	PDY-	1	FGA-
FL	115	FGA-	80	MS12	ND	10	JKA-	6	PDY-	PO	44	RM12	17	DN1-	GTO(GW)	1	JKA-	1	JKR1
GA	47	FGA-	33	JKA-	OH	83	JKA-	53	DN1-	SK	14	JKA-	4	FWM-	JAL(JA)	1	PDY-	0	None
HI	10	SRE1	0	None	OK	30	JKA-	29	FGA-	NMT	2	WHE6	1	WHE7	NL (NL)	14	FGA-	6	PDY-
ID	4	JKA-	4	PDY-	OR	1	PDY-	0	None	-----					PUE(PU)	1	PDY-	1	JKR-
IL	73	JKA-	33	DSM-	PA	57	DN11	44	RBA-	FOREIGN(AMERICAS)					GRO( )	1	PDY-	0	None
IN	56	JKA-	23	DSM-	RI	7	RBA-	5	RM12	CUBA	9	FGA-	4	JKA-	SIN(SN)	1	PDY-	0	None
IA	62	JKA-	17	MHA-	SC	22	FGA-	18	RBA-	D.REP	1	JKA-	0	None	SOM(SO)	3	PDY-	0	None
KS	33	JKA-	8	MHA-	SD	18	JKA-	9	PDY-	EL SA	2	FGA-	2	PDY-	TAB(TB)	1	PDY-	0	None
KY	38	JKA-	28	DSM1	TN	47	JKA-	34	DSM1	GUATE	1	FGA-	1	PDY-	TAM(TM)	16	FGA-	6	PDY-
LA	59	FGA-	58	JKR1	TX	174	FGA-	104	PDY-	HONDU	2	FGA-	0	None	VCZ(VZ)	4	PDY-	3	JKA-
ME	29	RM12	22	RBA-	UT	4	JKA-	2	PDY-	NICAR	1	PDY-	1	FGA-	YUC(YU)	5	FGA-	2	PDY-
MD	13	RSM-	13	DN11	VT	11	RBA-	7	RM12	PUERT	1	JKA-	0	None	ZAC(ZC)	2	JKA-	1	JKR-
MA	29	RBA-	26	RST1	VA	42	RBA-	15	GMA3	VENEZ	1	GCO-	0	None	-----				
MI	72	JKA-	39	DN1-	WA	3	JKA-	1	FWM-	FOREIGN(OTHER)					FRANCE	1	WHE5		
MN	109	JKA-	8	PDY-	WV	19	JKA-	8	DN11						USSR/AUSTRALIA	1	EA	JKA-	
MS	30	JKR1	29	FGA-	WI	61	JKA-	27	DSM-						NORWAY/SWEDEN	1	EA	JKA-	
MO	59	JKA-	17	DSM1	WY	4	JKA-	2	FWM-						UK			2	WHE5
					DC	13	GMA3	8	RSE-										

# FM STATES STATS-DXER INITIALS/LOCATION/GRID COORDINATES

2/13/1996				LAT NO. LONGWEST			
INIT	DYER NAME	DYER LOCATION	DEG MIN DEG MIN				
DAL-	DOUGLAS MALLIN	CO WOODLAND PAR	39 0 105 3				
TBR-	TODD BRANDENBURG	KS SILVER LAKE	39 6 95 52				
RBR-	RUSS BROWN	MI ST JOSEPH	42 6 86 29				
DBR-	DAVID BRUMFIELD	IN MUNCIE	40 11 85 23				
MBU-	MIKE BUGAJ	CT ENFIELD	41 58 72 36				
DBU-	DANNY BUNTIN	OK STILLWATER	36 7 97 4				
GCO-	GREG CONIGLIO	NY CLARENCE	42 59 78 41				
POY-	PAT DYER	TX SAN ANTONIO	29 28 98 36				
JEB-	JOHN EBELING	MN BLOOMINGTON	44 50 93 19				
JEB2	JOHN EBELING	MN PROSIT	47 0 92 37				
BEL2	BRUCE ELVING	MN DULUTH	46 47 92 6				
JFE-	JOSEPH FELA	NJ S PLAINFIELD	40 35 74 25				
MHA-	MICHAEL HAWK	NE OMAHA	41 31 96 3				
WHE2	WILLIAM RHEPBURN	NT CORAL HARBOR	64 8 83 10				
JUE3	JOHN M JEFFERSON	AK ANCHORAGE	61 13 149 53				
JUE2	JOHN M JEFFERSON	CA PLEASANTON	37 40 121 53				
GMA1	GUS MANCUSO	WV BIRCH RIVER	38 30 80 47				
GMA-	GUS MANCUSO	MD CHEVERLY	38 55 76 55				
FMC-	FRED MCCORMACK	MD DES LACS	48 17 101 25				
FMC2	FRED MCCORMACK	MD FARGO	46 52 96 48				
TMC-	TIMOTHY KNEVY	TN BOLIVAR	35 16 88 59				
FME1	FRANK MERRILL	IL MACOMB	40 27 90 40				
FME-	FRANK MERRILL	MI MILAN	42 5 83 40				
AMI-	ALAN MILLMAKER	IL CENTRALIA	38 31 89 8				
DN11	DAVID J NIEMAN	NY ROCK CITY	42 1 78 28				
DN1-	DAVID J NIEMAN	NY AKRON	42 58 78 32				
WNO-	WILLIAM WNOOLMAN	CT BOZRAH	41 20 72 36				
FNO-	FRED NORDQUIST	NY CLAY	43 8 76 8				
DDO-	DAVID ODELL	AR LITTLE ROCK	43 16 96 15				
DDE-	DAM OETTING	PA BROOMALL	39 59 75 22				
JPI-	JIM PIZZI	NM LONGVINTON	32 57 103 21				
KPU-	KEITH D PUGH	AL NEW HOPE	34 32 86 24				
SRE1	SHEL REMINGTON	HI KEAAU/FERN F	19 27 155 10				
KSI-	KEN SIMON	FL LAKE WORTH	26 37 80 3				
MS12	MATTHEW CSITTEL	FL TALLAHASSEE	30 29 84 18				
MS11	MATTHEW CSITTEL	NC RALEIGH	35 47 78 39				
DSM1	DOUGLAS ESMITH	TN PLEASANT VIE	36 24 87 5				
RSN-	BOB SHOLAREK	NJ HIGH BRIDGE	40 40 74 54				
RST1	RICHARD STEINBERGER	MA HUDSON	42 24 71 35				
RST-	R L STOCK	NY AURORA	0 0 0 0				
SW11	STEVEN C WISEBLOOD	TX BROWNSVILLE	25 54 97 30				
JZO-	JOHN ZONDLO	OK YUKON	35 30 97 45				

# TV STATES STATS-DXER INITIALS/LOCATION/GRID COORDINATES

2/13/1996				LAT NO. LONGWEST			
INIT	DYER NAME	DYER LOCATION	DEG MIN DEG MIN				
RBA-	ROY BARSTOW	MA TEATICKET	41 36 70 36				
GCO-	GREG CONIGLIO	NY CLARENCE	42 59 78 41				
POY-	PAT DYER	TX SAN ANTONIO	29 28 98 36				
FGA-	FERNANDO GARCIA	MEX GUADALOUPE(N	25 41 100 15				
MHA-	MICHAEL HAWK	NE OMAHA	41 31 96 3				
WHE7	WILLIAM RHEPBURN	NT FROBISHER BA	63 44 68 28				
WHE5	WILLIAM RHEPBURN	OW EUREKA	0 0 0 0				
JKA-	JEFF KADET	IL MACOMB	43 6 79 4				
JKR1	JEFF KRUSZKA	LA BATON ROUGE	30 30 91 10				
JKR-	JEFF KRUSZKA	LA HARAHAN	29 56 90 11				
GMA3	GUS MANCUSO	MD HYATTSVILLE	38 56 76 56				
RW12	RUSSELL MILLER	ME AMITY	45 54 67 53				
DN11	DAVID J NIEMAN	NY ROCK CITY	42 1 78 28				
DN1-	DAVID J NIEMAN	NY AKRON	42 58 78 32				
FNO-	FRED NORDQUIST	NY CLAY	43 8 76 8				
SRE1	SHEL REMINGTON	HI KEAAU/FERN F	19 27 155 10				
RSE-	ROBERT SEYBOLD	NY DUNKIRK	42 29 79 20				
MS12	MATTHEW CSITTEL	FL TALLAHASSEE	30 29 84 18				
DSM-	DOUGLAS ESMITH	WJ MADISON	43 5 89 22				
DSM1	DOUGLAS ESMITH	TN PLEASANT VIE	36 24 87 5				
RSN-	BOB SHOLAREK	NJ HIGH BRIDGE	40 40 74 54				
RST1	RICHARD STEINBERGER	MA HUDSON	42 24 71 35				
FWM-	FRANK WHEELER	PA ERIE	42 8 80 4				

## STATISTICS - PERSONAL BESTS - FM/TV

Personal Bests - Richard Shafan - Rockaway NJ (09/06/95)  
Shortest Es: WKSO-94.5 ME Ellsworth 399 mi.  
Farthest Es: KLBJ-93.7 TX Austin 1495 mi.  
Farthest TR: WNCX-99.7 SC Port Royal 684 mi.  
Heard on Es & Tr

Personal Bests - Greg Coniglio - Williamsville NY (10/14/95)  
Shortest Es: CBV-8-90.1/CBMC-92.3 PQ Thetford Mines 422 mi.  
Farthest Es: XHMP-90.1 MEX Tampico 1818 mi.  
Farthest TR: KJMO-100.1 MO Jefferson City 769 mi.  
TV: Farthest Es: Radio Caracas TV Barcelona Ven 2429 mi.  
TV: Closest Es: WTKR-3 VA Norfolk 455 mi.  
TV: Farthest VHF-LO TR: WMMT-3 MI Kalamazoo 352 mi.  
TV: Farthest VHF-HI TR: WTVU-11 NC Durham 505 mi.  
TV: Farthest UHF TR: WWSL-46 IL E. St. Louis 670 mi.

Personal Bests - John Tudenham - Joplin MO (08/03/95)  
Furthest Es: KNEV-95.5 NV Reno 1381 mi.  
Farthest TR: KEVT-90.3 TX Corpus Christi 664 mi.  
Closest Es: WFFX-95.7 AL Tuscaloosa 476 mi. (also logged via Tr)

Personal Bests - Russ Miltier - Amity ME (10/15/95)  
Farthest VHF TR: WITN-7 NC Washington 861 mi.  
Farthest UHF TR: WHRO-15 VA Norfolk 771 mi. &  
W010-19 OH Cleveland 753 mi.

Personal Bests - Mike Hawk - Omaha NE (07/30/95)  
Farthest TR: WBLK-93.7 NY Depew 893 mi.  
Farthest Es: WFKZ-103.1 FL Plantation City 1481 mi.  
Closest Es: WSLU-91.9 IL Carbondale 448 mi.  
Furthest MS: KHTY-97.5 CA Santa Barbara 1378 mi.  
Farthest AU: WZOK-97.5 IL Rockford 361 mi.  
Closest MS: KDKK-97.5 MN Park Rapids 361 mi.  
Unheard State: VT  
Lowest Power Es: K205BK-88.9 AZ L. Havasu City 50w 1111 mi.  
TV: Furthest TR: Lubbock TX 634 mi.

## PERSONAL BESTS - FM STATISTICS - 01/96

CHANNEL METRICS - Mike Hawk - Omaha NE - (07/30/95)																		
MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
.1	27	20	13	17	28	17	1	9	1	9	19	34	6	13	25	23	14	17
.3	23	11	10	16	1	4	24	20	17	19	9	21	8	11	36	18	17	13
.5	14	19	9	7	15	10	36	27	24	45	1	29	17	17	23	20	1	15
.7	22	4	1	11	22	29	25	19	30	15	9	9	5	15	9	5	13	15
.9	30	13	11	23	13	14	21	16	5	23	16	1	16	3	24	13	14	1
TOTAL	116	67	44	74	79	74	107	91	77	111	54	94	52	59	117	79	59	61

CHANNEL METRICS - Pat Dyer - San Antonio TX - (12/31/94)																		
MHZ	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
.1	31	29	16	13	27	21	45	41	19	19	31	33	11	16	14	48	37	29
.3	32	29	17	11	57	38	47	56	16	2	37	29	6	15	53	29	18	9
.5	41	27	17	24	49	74	48	35	42	17	43	8	7	33	17	13	3	36
.7	29	28	11	11	69	39	23	41	45	72	33	13	26	14	1	30	15	33
.9	33	22	8	10	2	35	45	34	41	39	26	37	12	3	11	55	62	35
TOTAL	166	135	69	69	204	207	208	207	163	149	170	120	62	81	96	175	135	142

Lots of 1995 DX activities were reported last year - now is the time to tally up your loggings in 1995 and report your results in Statistics - 73 Fred.



## STATISTICS

### WTFDA GUIDELINES FOR COMPUTING TV-FM DISTANCE RECORDS AND SCOREBOARD TOTALS

- 1] A TV Station received on more than one channel (when it changes channel, but retains its identity) may be counted once for each channel, excluding change in offset on the same channel. Simultaneous reception of the same station on more than one channel is usually a receiver problem only, though you may present evidence to the contrary. An FM station may be counted again when it deliberately changes frequencies, or varies more than 100kHz from its normal frequency. DXers should be certain they are not counting receiver images or mixing products.
- 2] Stations operating successively on the same channel in a single city what are clearly unrelated (i.e., with different call letters and a hiatus in occupation of the channel, or non-renewal of the first station's license) are counted as separate stations.
- 3] A move in a station's transmitter location does not allow it to count as a new station unless the CITY OF LICENSE also changes. Thus, a station starting in a small city and later moving both transmitter and identity to a larger city, if received during both phases of operation, will count twice. Stations moving antenna from downtown to suburbs, for example, with no change in the city of license, count only once. The addition of a city to a station's identity (multiple city station identification) does not count as a new station.
- 4] A change in call letters per se is not sufficient reason to count that station as new, whether or not a change in ownership is involved in a continuously operation station. Power level or changes in power alone shall have no bearing on these guidelines.
- 5] Sharetime stations (rare cases of two stations in the same coverage area sharing the same frequency at different times of the day) count as one if they share their transmitter, individually if they have separate transmitter sites.
- 6] DX received via cable TV may be counted if the station was received off the air on its original frequency at the CATV headend, from which distances must be measured. TOTAL INCLUDING CATV MUST BE SPECIFIED.
- 7] The precise location of the transmitting antenna shall be the determining factor in computing the DX path distance and tallying the number of political units received.
- 8] Verifications are not required; however, contributors must be reasonably certain that all stations claimed were received. Those totals limited to verified only should be labeled as such.
- 9] DX obtained by recording only, and not witnessed at the actual time of the reception, is eligible -- so long as the contributor himself chose the frequency and prepared the recording apparatus. When more than one DXer is present at a DX reception, even as a visitor to another DXer's shack, only those having an active part in the reception may claim the DX.
- 10] Translators and experimental stations, as well as unlicensed outlets such as pirates and clandestines, are eligible. Harmonics of TV video signals are eligible if the fall within another TV band, and those of FM stations are eligible if the harmonics fall within the FM band. But utility stations monitored on FM or TV, and CATV radiation, do not count.

Note: The above guidelines are to be used for reporting to VUD columns. Feel free to count your station totals any way you like in your own log, but please follow the above guidelines for WTFDA purposes. WTFDAers come from varied backgrounds and differ widely on how to count station totals; without the above, it would be like comparing "apples and oranges" when reading DX report columns. These are essentially the same guidelines in use since the WTFDA began, and comments on them are always welcome--but remember, unless reporters follow the same standard in counting stations, it's very hard to compare their results.)

**NOTE:** The FM/TV All-Time Distance Records were recalculated using DXer location grid coordinates (City coordinates if exact coordinates not given to me), and the City of License coordinates for all TV/FM Stations to simplify distance calculations. This is a variance to Rule #7 of the WTFDA guidelines for computing TV-FM Distance Records. It would be a very time-consuming task to keep track of all transmitter locations (especially when many transmitters are relocated over all the years that records are tracked. Please check your DX coordinates for any errors. If you have any suggestions on other statistics that you would like to appear in this column, let me know. TV-FM Distance Records for current WTFDA members (or for the current year) are some possibilities (after I gain access to a membership list). If you want a printout of distances between your DX location and all cities having TV/FM stations in North America including the Caribbean/Central America, I still offer this service for a \$2.00 donation to cover costs. Please indicate your DX location grid coordinates and whether you want the listing in miles or kilometers. Fred Nordquist.

Again, this month, there is the announcement of another birth - this time - PanAmSat 3 at 43 West. It is due to light up on February 20th. This bird carries 16 C-Band transponders and 16 Ku-Band transponders. Much of the transponder space will be devoted to a Digital DTH Satellite service to the Latin America. More details as they become available.

Satcom 1 - XPDR 1 - delete Newsport  
add Prime Network  
18 - delete Classic Sports Network

Satcom 3 - XPDR 11 - delete Prime Network  
add - Newsport

Telstar 303 - Delete all of the TVN Pay-Per-View  
Services on transponders 1 thru 9  
XPDR 16 - Delete Flix (now on G-3R)  
XPDR 18 - Showtime 2 (now on G3R)  
XPDR 20 - AdultTVision (now on G3R)

Anik E-1 - on C-Band delete XPDR 9 - The Westher Network  
on Ku Band delete all but 9 - MUCH Music and  
32 - Atlantic Satellite Network

Anik E2 - XPDR 14 - delete AdultTVision  
22 - delete 3 Angels and add RTP  
International - Lisbon, Portugal  
On the Ku Band delete 10 - Musique Plus  
and Canal D

Spacenet 4 - XPDR 12 - delete HTV  
14 - Add - Americas Lost Children TVN

Galaxy 4 - XPDR 10 - delete WABC and add WJLA - Washington

Galaxy 3 - Add the TVN menu from Telstar 303 to  
XPDRs 1 thru 8  
XPDR 9 - add AdultTVision  
XPDR 23 - 3 Angels

Galaxy 7 - XPDR 12 - delete International Channel  
XPDR 14 - add Independent Film Channell  
XPDR 18 - delete Turner Vision Add CBS feeds  
XPDR 24 - add The International Channel

Telstar 402 - XPDR 18 - delete RTP International

Telstar 302 - XPDR 17 and 18 - delete Adult Erotic channel  
previews

Galaxy 6 - XPDR 13 - delete Independent Film Channel

Intelsat 506 at 50 West - XPDR 4 - delete HTV Hispanic  
Video Channels

That's all for this month - see you in 30.

Change



# TV News

**Doug Smith**  
**1385 Old Clarksville**  
**Pleasant View, TN**  
**37146-8098**



Abbreviations used in this column:

ERP= Effective Radiated Power in kW

HAAT=Height Above Avg. Terrain

nc= no change

TL= Tower Location

CP= Construction Permit

Pr= Province (of Canada)

\*= Non-commercial

CRTC=Canadian Radio-Television Commission

DBS= Direct Broadcast Sat.

SS:= Spanish language

LPRT=Low Power Relay Transmitter (Canada)

TBD= To Be Determined

## APPLICATIONS FOR NEW STATIONS

St Ch ERP HAAT City

**FL 64 350 99 Destin**

**IA 69 848 83 Des Moines**

**LA 21 5000 162 Minden**

(TL: 8km SW of Minden, east of Shreveport)

**MI 19 1000 300 Marquette**

(TL: 46°21'09"N/87°51'32"W

WNUM-13 tower 10.8km SE of Republic)

**MT 24 335 578 Butte**

(TL: 46°00'27"N/112°26'30"W

adjacent to KXLF-4 tower 8km east of Butte)

**MT 26 320 175 Great Falls**

**NY 62 1300 164 Arcade**

(TL: Blue Hill, 10km SW of junction of NY-16 and NY-39, Saradinia)

**OR 16 11.3 780 La Grande**

(TL: Mt. Fanny)

## CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St Ch ERP HAAT City

**CO 11 138 429 Gd. Junction**

(TL: 39°04'00"N/108°44'41"W

10km S of Fruita)

## APPLICATIONS TO CHANGE EXISTING STATIONS

St Ch ERP HAAT Call City

**AL 33 4741 630 WCFT Tuscaloosa**

(TL: 33°28'40"N/87°26'32"W

5.2km E of Ala. 69 & Wint Dunn Rd., 32km NNE of Tuscaloosa near the Walker/Tuscaloosa Co. line. Was 1120kW/165m from a site close to Tuscaloosa proper.)

**CA 42 2043 1031 KFCB Concord**

(Was 1290kW/856m)

**FL 67 5000 132 WHBI Lake Worth**

(TL: 26°45'47"N/80°12'19"W

S. Canal Rd., 1.1km E of Acreage Subdivision, West Palm Beach. Was 501kW/60m from a site about 12km ESE.)

**MO 15 772.7 nc KPOB Poplar Bluff**

(was 389kW)

**NC 62 3388 771 WASV Asheville**

(TL: 35°10'02"N/82°41'27"W

Dunn's Rock Twp., 8km SSE of Breward, Transylvania Co. Was

12.3kW/337m from just north of Asheville. FCC says 2530m, but I'm pretty sure they meant 2530 feet, which is 771m.)

**NC 64 1900 300 WKAY Kannapolis**

(TL: 35°15'41"N/80°43'38"W

N of Plaza Rd. Extended, 2.3km SSE of Newell, Mecklenburg, the WSOC-9 tower. Was 129kW/86m from a site near Kannapolis proper.)

**NY 43 780 432 WNYS Syracuse**

(TL: 42°52'50"N/76°11'59"W

Barker St. & Kingsley Rd. Was 17.8kW/35m from a site 14km NNE.)

**OH 25 5000 nc WVIZ Cleveland**

(was 2140kW)

**OH 9 nc 268 WTOV Steubenville**

(TL: 40°19'03"N/80°24'07"W

Cross Creek Hill, 3km SW of Atlasburg, Washington Co., Pennsylvania. Was 290m from a site 20km west.,

**PA 56 1600 505 WWLF Hazleton**

(TL: 41°10'58"N/75°52'26"W

Penobscot Mtn. near PA-93, Luzerne Co. SW of Wilkes-Barre. Was 1000kW/329m from a site about 18km SW.)

**RI 69 nc 213 WOST Block Island**

(TL: 41°29'41"N/71°47'05"W

Champlin Hill, Hopkinton, on the mainland near Westerly. Was at a site on the mainland. I think there's been a power increase here, as their 17.8kW wouldn't make it to the island from Hopkinton.)

**TN 20 2830 852 WINT Crossville**

(TL: 36°06'33"N/84°20'17"W

Buffalo Mtn., 3km NNW of Windrock, Anderson Co. near Oak Ridge. Was 14.8kW/48m from a site near Crossville, almost 80km west. Station is currently dark.)

## APPLICATIONS TO CHANGE EXISTING STATIONS(contd.)

St Ch ERP HAAT Call City  
**TX 54 5000 374 KNVA Austin**  
 (TL: 30°19'33"N/97°47'58"W  
 8km NW on Trail of the Madrones Rd.,  
 the KXAN-36 tower. Was  
 3470kW/267m.)  
**VA 5 53 883 WCYB Bristol**  
 (no change in TL. Was 83.2kW/680m)

## APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St Ch ERP HAAT Call City  
**VT 44 1700 397 WFFF Burlington**  
 (TL: 44°34'30"N/73°40'29"W  
 Terry Mtn., 38.3km west of Burling-  
 ton in Clinton Co., NY, where the  
 WPTZ-5 tower is. Was 5000kW/530m  
 from Camel's Hump near Bolton.)

## CHANGES GRANTED TO CON- STRUCTION PERMITS

St Ch ERP HAAT Call City  
**IA 48 2920 323 KTVC Cedar Rapids**  
 (TL: 42°17'17"N/91°52'54"W  
 7.2km N of Urbana on US-150 in Ben-  
 ton Co., in the C.R. tower farm.  
 Was 1510kW/321m from a nearby  
 tower.)  
**TX 62 3213 408 KAKW Killeen**  
 (TL: 31°18'52"N/97°19'37"W  
 2.5km NE of Moody, the KWKT-44  
 tower. Was 5000kW/554m from a site  
 some 60km WSW.)

## CHANGES GRANTED TO EX- ISTING STATIONS

St Ch ERP HAAT Call City  
**GA 34 5000 440 WNGM Athens**  
 (TL: 34°07'32"N/83°51'31"W  
 WFOX-97.1 tower, 800m SSW of Chest-  
 nut Mtn. in Hall. Co.; was  
 1260kW/412m from a site roughly 22km  
 ENE.)  
**MS 16 4786 359 WAPT Jackson**  
 (was 1050kW/357m)  
**NC 47 5000 371 WRMV Rocky Mount**  
 (TL: 36°06'13"N/78°11'27"W  
 10km E of Louisville & 2.7km N of  
 NC-56 in eastern Franklin Co. Was  
 13.5kW/106m from a site just west  
 of town.)  
**VA 43 5000 261 WVBT Virginia Beach**  
 (TL: 36°49'14"N/76°30'41"W  
 Kings Highway, Driver, the WAVY-10  
 tower. Was 933kW/126m from a site  
 about 20km west.)

## CALL LETTER CHANGES

Was	Now	City, state
WGBS-57	WPSG-57	Philadelphia
K65GB	KGBS-LP	Austin, TX

## NETWORK CHANGES

Station	Was	Now
XHIJ-44	Cd. Juarez	* TMD
W13BF	Hartford	TMD
KIFI-8	Idaho Falls	NBC ABC
KPVI-6	Pocatello	ABC NBC
KKVI-35	Twin Falls	AF FOX
W65BX	Springfield MA	TMD
K59DB	Albuquerque	TMD
KBLR-39	Las Vegas	ind TMD
W35AQ	Syracuse	Box TMD
K38CN	Salt Lake City	TMD
K17CJ	Yakima	TMD

Again, A=ABC; F=FOX; TMD is the  
 Telemundo Spanish-language network.  
 XHIJ was an affiliate of the Mexi-  
 can Televisa network.

## NEW STATIONS ON THE AIR

**Springdale, AR: KSEN-57Z:**  
 174kW/117m; 36°11'07"/94°17'49"  
 between Springdale and Siloam  
 Springs. Religious station; re-  
 quested operating license in mid-  
 December.

**Boulder, CO: KTVJ-14Z:**  
 2400kW/351m; 39°40'18"/105°13'12"  
 on the KTVD-20 tower northwest of  
 Denver. Programming unknown. Ap-  
 plied for operating license in mid-  
 December.

**New Bedford, MA: WLWC-28-:**  
 5000kW/229m; 41°46'39"/70°55'31"  
 near Ashley Heights, southern Ply-  
 mouth Co. WB affiliate, per Mark  
 Freier in early February.

**Las Vegas, NV: KINC-15+:**  
 1145kW/564m; 35°56'44"/115°02'31"  
 on the KLAS-8 tower on Black Moun-  
 tain. Programming unknown. Applied  
 for operating license in mid-  
 January. Displaces the CP for  
 K15EP.

**Eagle Pass, TX: KVAW-16+:**  
 12.6kW/85m; 28°43'32"/100°28'35"  
 a few km east of town. Telemundo  
 affiliate; granted operating li-  
 cense in January.



## CHANGES ON THE AIR

Ch	Call	Location	VUD issue
5	KPHO	Phoenix, AZ	?
45	WHFT	Miami, FL	?
4	WTTV	Bloomington, IN	7/95
62	WFAY	Fayetteville, NC	?
68	WHSE	Newark, NJ	1/94
2	WDTN	Dayton, OH	?
8	CBLT2	Huntsville, ON	11/95
13	WPRV	Fajardo, PR	?
12	KTTM	Huron, SD	?
15	KCLO	Rapid City, SD	11/95
66	WJFB	Lebanon, TN	?

The CBLT2 change is a major power increase, from 115 watts to 170kW. It's part of the station's switch from relaying CKVR-3 to CBLT-5.

## SPECIAL REPORT - THE TELE-COM ACT OF 1996

There's been a lot of publicity for this new law, signed by President Clinton on February 8. Its immediate effect will be on radio (and cable), but there will be changes for TV as well.

Most important is the relaxation of the national limits on TV station ownership. Under the old rules, one firm could own up to 12 stations or stations reaching 25% of homes, whichever comes first. The new rules repeal the 12-station limit altogether, and relax the percentage to 35%. Unlike radio, in TV a company will remain limited to one station in a market. (but the FCC is ordered to review all ownership restrictions every 2 years, and could choose to relax this on its own motion)

Much of what we've already heard about advanced television has been codified. There's one surprise: the Commission has been ordered to conduct a review of the ATV program 10 years after the first licenses are issued. They're to determine whether consumers are willing to spend the money for ATV receivers, among other things. Presumably, a negative response could allow the FCC to extend the life of NTSC broadcasts.

Other ATV provisions urge (but don't require) the FCC to give preference for ATV channels to existing licensees. And, stations using part of their ATV spectrum for subscription or leased-access material are required to pay a license fee.

The so-called "V-chip" is now law. TVs of 13 inches or larger must contain circuitry to decode rating codes, and allow owners to block reception of programs with

certain codes. Promotional theatrics and video bites aside, there will probably not be a V-chip as such. The rating signals will be part of the closed-caption signal, and the blocking circuitry will probably be part of the caption decoder chip. This chip is already required in large-screen sets, because of the Americans with Disabilities Act.

Competing applications at renewal time are a thing of the past. Previously, if someone thought they could do a better job of serving the community than an existing station, they could file a competing application at renewal time. In theory, if the FCC agreed, they could revoke the existing license and grant a new one.

In practice, this happened only when the existing licensee had committed serious violations of the regulations. The new Act codifies this. It requires the FCC to either renew a license, or find that the licensee committed serious violations. In the latter case, the Commission is to revoke the license first. Only then can it accept applications for the (now vacant) channel. The challenges that may cost Trinity Broadcasting their WHFT-45 license would not be possible under this new policy. (though a technically different challenge might have been filed)

Finally, stations may no longer stay dark for years. A provision of the Act automatically revokes the license of any station that remains off the air for more than 12 months. This clause will have greatest effect on AM, but I know of a number of TV stations that have been dark for more than a year.

## OTHER STUFF

The new WTOV-9 site is only about 30km from Pittsburgh. I don't know the terrain that well, but I wonder if they plan to switch from the Wheeling market to Pittsburgh? Time will tell..

WAKC-23 Akron/Cleveland has been sold to Lloyd Paxson. Expect it to switch from ABC to either IN (Infomall) or CNI, Paxson's religious network. Or, it may be nothing will happen - ValueVision owned it for at least a year, and kept it ABC.

Also sold to Paxson was WOCD-55 Amsterdam/Albany, NY. This station will definitely be part of CNI.

The channel 11 grant means there are now two new VHF stations under construction in Grand Junction, Colorado. (the other is KJWA-

#### (Other Stuff, contd.)

channel 4) It's been a long time since there were two VHF's under construction simultaneously in any market!

WCFT-33's power increase is part of its switch from CBS to ABC. WCFT and WJSU-40 will be co-owned and will be the ABC affiliates for Birmingham after WBRC-6 goes Fox.

Note that quite a few stations are departing "four-letter LPTV" status and going to "real" power. WASV-62, WNYS-43, WINT-20, and WRMY-47 will all become much easier DX targets. I strongly suspect WOST-69 will also be increasing power. WINT's new site will put an excellent signal into Knoxville.

The UPN and WB networks are becoming considerably more successful than expected. UPN's numbers are about 2/3 those of Fox, and WB is doing about 1/3 of Fox's numbers. (admittedly, in a week whose ratings were badly screwed up by the Super Bowl!) As of late January, UPN had 152 broadcast affiliates reaching 93% of homes. WB had 82 reaching 83%, plus (sometimes!) WGN-9's cable coverage. WB executives say they plan on cable coverage of markets they can't reach by broadcast.

I'm sure the success of the new nets is part of the reason for the increased activity in new stations and increased power for existing independent stations.

## FORUM

### Debra Lee Oliver, Pensacola FL:

The recent cold snap has claimed a TV victim, in a part of the country not normally associated with cold weather! And it happened at probably the worst possible time, early in the stations' first ratings book with its new NBC affiliation. Debra forwarded two *News-Journal* articles on the subject.

WPMI-15 was knocked off the air about 3:00 on the morning of Saturday, February 3. 7 inches of ice on the transmitting antenna were blamed for the damage. General Manager Andy Comegys told the paper three connectors were burned out, at the 125, 250, and 500-foot levels.

This kind of problem is not unheard-of, though usually only in colder climates! TV transmitters are connected to the antennas through rigid coax. Rigid coax consists of an outer copper pipe (8" in WPMI's case) with an inside smaller pipe. It comes in 20-foot sections with flanges at both ends; these flanges are used to bolt the sections together.

The center pipes may not expand and contract at the same rate as the outer pipes. If they were bolted together too, something would have to pull out! So, small sliding connectors called "bullets" connect the sections.

There are two potential problems from severe weather. First, the ice buildup on the transmitting antenna changes its resonant frequency. This causes the SWR to increase from its nominal value of 1:1. TV transmitters can usually deal with SWRs as high as 1.2:1. (if you're a ham or CBer, you know this makes TV equipment rather picky!) If it gets much higher, protective circuits automatically turn the transmitter off. Either that, or something arcs over and the transmitter is damaged!

Second, the inner pipes may contract so far that one or more "bullets" doesn't make good contact anymore. Since there's a very high current flowing in these pipes, any resistance at all generates a lot of heat. The bullet can literally melt, at least at the point of contact. What that happens, the transmitter is no longer connected to the antenna, and the SWR sky-rockets.

Or, the movement of the inner conductor can scrape metal shavings off the bullets and inner pipes. These shavings can fall to the next lower insulator and cause an arc. This arc can destroy the insulator and lower bullet.

Comegys told the newspaper not only will crews have to repair the three failed connections, but they'll have to inspect 79 other connections. This is a slow process. The station expected to require six days to return to the air.

The failure's timing was particularly bad. WPMI, previously a Fox affiliate, had just swapped networks with previous NBC affiliate WALA-10 on Jan. 1, and the ratings "sweeps" began on Feb. 1. As Comegys told the paper, days when a station are off the air don't count in the ratings. (In other words, WPMI will not get a zero rating for that week.) But the ratings books will indicate that the station was off the air. Of course, there's no advertising revenue for the period the station was off.

Cable viewers would have seen some interesting programming during WPMI's dark period! To return NBC programming to their systems, several area cable systems put up a raw NBC network feed. (the newspaper said it was WNBC-4 NYC, but their own accounts indicated



(Forum, Debra Lee Oliver, contd.)

there were no local inserts whatsoever, not even for New York) Viewers watching such a feed would have seen closed-circuit newsfeeds, program timings, and test patterns during non-network time periods.

GM Comegys has decided to ask his corporate office to fund deicing equipment for his tower. This equipment is common in markets with frequent ice problems. (for example, WSMV here in Nashville has deicers)

#### Mark Freier, Pennsylvania:

Mark has some valuable WWW sites for the DXer with Internet access:

<http://www.tbn.org>

<http://telemundo.hispanic.com/telemenu.html>

The former is for TBN, the latter for Telemundo. Both contain affiliate lists. Some of the new Telemundo listings in "Network Changes" came from here.

He doesn't specify where, but Mark saw a message noting at least unofficial call changes for W13BF and W65BX. The stations are both owned by Hartford's "Ital-Net/Canale 13, Inc.", and air a variety of ethnic programming. Included are Telemundo (Spanish), RAfuno (Italian, and some Polish programs. The stations are at least calling themselves WRDM-13 and WDMR-65. I haven't seen official call changes, but sometimes that information is slow in arriving.

The message says "1996 -- the new year begins with two new fullpower stations...". I can't find any technical changes for either station. Channels 13 and 65 are not allotted for full-power use in Hartford and Springfield. Indeed, they could not be allotted because of WNET-13 and WEDY-65. The stations are definitely still LPTVs.

#### David Austin, Fairfax VA:

Referring to my comments about WATC-57 as one of a handful of non-PBS non-commercial stations, David mentions two others. One is WTSF-61, which is licensed as a commercial station but airs only religious programming and no ads. (though they did air ads in a previous life as a secular station) I see relatively few 100% religious stations these days - most of the ones I see air a few hours of home shopping and an occasional infomercial. Of course, TBNs are an exception.

The other station he mentioned is WNVG-56 Fairfax. This station calls itself "World View TV - One World, One Channel". Programming is in a variety of languages, and David says he's seeing ads for ethnic busi-

nesses in their native languages - Hindu, Persian, etc..

WNVG is listed as a non-commercial station, so I assume the "ads" are actually underwriting announcements. Sometimes it's hard to tell the difference, and when one can't understand the audio it's even more difficult!

#### Roy Barstow, Teaticket MA:

Roy has some information from New England. First, on the subject of educational TV in Maine: "W30BF Bangor and W39BQ Litchfield relay WMEA-26. ... W14AB Skowhegan does not run parallel with WMEA-26." This seems to imply the MPTV+ second PBS net in Maine still exists, but Roy doesn't know. W24AR Portland is definitely gone, replaces by W39BQ.

In Massachusetts, three of the four WLNE-6 translators are gone. W20AH New Bedford, W22AR Fall River, and W22BB Taunton are not only off, but have disappeared from the FCC DB. They're permanently dead. W48AE Providence is still on and relaying WLNE. WHRC-46 Norwell is still off. And W69AQ, which Roy had thought was off, is in fact operating. It relays WUNI-27 Worcester.

Finally, to Rhode Island.. Another station Roy thought might have been off, WOST-69 Block Island, has resurfaced. It's still weak, but there was enough present to tell it was carrying "Worship", parallel WTWS-26, WTGI-61, and WGOT-60. (Roy says none of these stations carry Worship 100% of the time. I do suspect they may be CNI affiliates, though they don't appear in a list.) WOST has applied to move to the mainland - I'm pretty sure a power increase will follow.

## DX ETC.

Not much, just some minor lifts to Alabama, Kentucky, and Memphis. The bitter cold weather may be breaking though; if it does, hopefully we'll see some tropo.

Make your plans for Estes Park! I visited the town in January - it'll be even more beautiful in August.

73 Doug

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# FM NEWS

MARCH 1996

editor- GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIMASVILLE, NEW YORK 14221  
NOTE: NO VALID E-MAIL ADDRESS  
TIP DEADLINE - The 10th

Many of the items listed in this column are taken from the publication:  
M Street Journal - P.O. Box 2108- New York, NY 10159  
PHONE (212) 473-4668, FAX (212) 473-4626

<p><b>KEY:</b> &amp; satellite programming AF: new freq. allocation accepted for filling for a new FM license CC: call change/new calls assigned CL: city of license change granted CO: new xmtr co-ordinates CX: a CP has expired, and is cancelled C1,C2, etc: change in class status DA: directional antenna DE: calls deleted, license returned to FCC FC: station format change</p>	<p>GA: granted amendment to table of FM allocations GE: station was granted extension of a CP GX: granted replacement of expired CP LC: filed for license to cover (for new stn.) MC: multiple-city legal ID NC: no change yet, on a reported pending grant/change. ND: non-directional NO: station is not on the air NS: a new station granted a license NSA: one-step application NW: new station signs on the air PA: proposed amendment to change table of allocations PC&gt;: a power change (increase)</p>	<p>PC&lt;: a power change (decrease) PG&gt;: power change granted (increase) PG&lt;: power change granted (decrease) QC: frequency change for this station QG: frequency change granted RA: station returns to the air RE: station requests extension of a CP RX: station requests re-instatement of an expired CP SG: slogan change or update SI: station is silent XA: dismissed amendment to the table of FM allocations XC: station changes xmtr site XG: station granted a transmitter (xmtr) site change</p>
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## UNITED STATES

### ALABAMA:

Attalla: WKXX 102.9 adds WW1 Hot Country (&)  
Bay Minette: WNXP 105.5 adds One-on-One sports  
Chelsea: W274AC 102.7 NS-250w: WOWC 102.5 Japser  
Florence: W280DA 103.9 NS-80w: WYFD 91.7 Decatur  
Holly Pond: WCOC 95.5 NW, WW1 oldies (&)  
Jackson: WHOD 94.5 NC to 37.5 kW, 567 ft. GX  
Ozark: WQLS 103.9 FC to oldies  
Rogersville: WFIX 93.9 FC to contemp. Christian  
Sylacauga: WAWV 98.3 adds SMN adult cont. (&)  
Talladega: WSSY 97.5 FC to 70's oldies (Anniston)  
Trussville: WRAX 105.9 CC (ex WWBR), FC to new rock  
"106-X" (Birmingham market)

### ARIZONA:

Tucson: KCRZ 107.5 FC to 70's oldies "K-Hits"

### ARKANSAS:

Batesville: KZLR 93.1 FC to rock  
Hammon: KCWD 96.1 FC to adult contemporary  
Heber Sps: KAWW 100.7 FC to oldies (& overnights)  
L. Village: KDTL 103.5 NW, 70's oldies (&), CC (ex KEGT)  
Marianna: KAKJ 105.3 NW, urban AC // KCLT 104.9  
(both use the "Touch" SMN urban AC at night)  
Mtn Pine: KTDK 101.9 NO-GE

### CALIFORNIA:

Bakersfield: KERN 94.1 adds Zippo (but remains local)  
Big Bear C: KBHR 93.3 NW, SMN adult cont. (&)  
Chester: KHZL 105.3 NW, country // KHSL-FM  
Chester: KCMT 98.9 FC to Jones soft AC (&)  
Corcoran: KLCZ 102.3 NO-CX-DE  
Eureka: KRED 92.3 adds Jones CD Country (&)  
Ford City: KZPE 102.1 NO-GX (4th),  
XG-35-0-2/19-22-29  
Healdsburg: KBHG 95.9 NW, adult contemporary  
Independence: KDAY 92.5 NW, to be smooth jazz  
Oroville: KEWE 97.7 NC to 1500, 1276', GE  
Parson: KZMS 97.1 NO-RE (3rd)  
Oia: KJDX 1 93.3 NS-696w(h): KJDX Susanville

### California:

Quincy: KNLF 95.9 NO-GX (8th)  
Rio Dell: KMGX 107.1 NO-GX (2nd)  
San Francisco: KRQR 97.3 FC to rock  
San Joaquin: KGPC 105.5 NO-RX (7th)  
San Luis Obispo: KWQH 97.1 NW, contemp. Christian (&)  
Santa Barbara: NS 107.7 710w, 1758 ft.  
Sebastopol: KJZY 93.7 NW, smooth jazz (Santa Rosa)  
Shingle Sps: KSSJ 101.9 NC to 44 kW, CX  
Tahoe City: NS 89.7 AF  
Willows: KQSC 105.5 reported SI -may return with Span

### COLORADO:

Aspen: KPWW 107.1 NO-GE, PG> 20.5 kW, 361 ft.  
XG-39-18-56, 106-57-32, class C3  
Copper Mtn: K205CO 88.9 NS-100w(v): KTLF 90.5 Colo Sps  
Ft. Collins: KCSU 90.5 NC to 89.7, 4 kW(h), 40kW(v), GE  
Silverton: KTRN 103.7 NO-CX-DE

### FLORIDA:

Apalachicola: WOYS 100.5 QC from 100.9, now 10kW, 361'  
Auburndale: W254AI 98.7 NS-55w: WJIS 88.1 Bradenton  
Bradenton: WDUV 103.5 QC from 103.3 around Jan. 15  
now 99 kW, 1358 ft.  
Century: WKGT 105.1 SI (pending sale)  
Crawfordsville: WAKU 94.1 NW, Jones soft AC (&)  
Key Largo: NS 91.7 13 kW, 328' S. Fla Edu. Broad.  
Lakeland: W244AZ 96.7 NS-55w: WJIS 88.1 Bradenton  
Ormond-by-the-Sea: WNDB 95.7 NW, 70's oldies, Imus (&)  
Williston: WFEZ 101.3 adds ABC's Banks show

### GEORGIA:

Adel: WDDQ 92.1 CP for 4.2 kw CX  
Albany: WJIZ 96.3 adds ABC's Banks show  
Broton: WULS 103.7 FC to southern gospel  
Griffin: WMVV 90.7 NW, religion  
Kingsland: WKBX 106.3 PC> 6 kW, DA  
Lakeland: WHFE 105.9 NO-GE  
Macon: WPEZ 107.9 adds SMN AC (&)  
Perry: WPGA 100.9 adds Banks  
Springfield: WSGF 103.9 FC to SMN Urban AC (&)  
Waycross: WHFX 103.3 FC to SMN Classic Rock (&)  
Wrens: WAKB 96.9 adds Banks

### HAWAII:

Honolulu: KORL 99.5 NO-GX  
Kekaha: KAU1 103.3 NO-GE (5th)  
Volcano: KKOA 107.7 NW, country, on by Febr.



**IDAHO:**

Lewiston: KMOK 106.9 FC to country, "The Outlaw"  
 Moscow: KRFA 91.7 PC> 14.5 kW, 958 ft.  
 Orofino: KLER 95.3 FC to Jones soft AC (&),  
 NC to 6.1 kW, 676 ft, RE

Pocatello: KMG1 102.5 FC to WW1 Adult Rock (&)

**ILLINOIS:**

Arcola: WZNK 106.7 FC to SMN classic rock (&)  
 Augusta: WAHI 98.5 NW, gospel  
 Chicago: WLS 94.7 FC to country, "Kicks"  
 Decatur: W266AD 101.1 NS-120w: WLJ 97.7 IL  
 Hillsboro: WXAJ 99.7 NO-GX  
 Joliet: WLLI 96.7 FC to WW1 Hot Country (&)  
 Joliet: WJTW 93.5 adds SMN Hot AC (&)  
 Mattoon: WLBH 96.9 FC to adult contemporary  
 Mt. Vernon: \*NS 90.5 AF (Amer. Family Assoc.)  
 Peoria: WBSG 92.3 adds Banks  
 Rantoul: WZNF 95.3 adds Brandemeier show (talk)  
 Streator: WYYS 106.1 NW, country // WSTQ

**INDIANA:**

Alexandria: WAXT 96.7 PG> 2.5 kW, 351 ft.  
 Anderson: WBSB 89.5 CC (NS)  
 Loogootee: WBWH 88.7 relocate studio to Fort Branch  
 New Albany: WAJE 94.7 NW, classic hits "River"  
 New Haven: WJFX 107.9 adds SMN urban gold overnight  
 Noblesville: WXTZ 93.9 FC to SMN Urban Gold (&)  
 South Bend: WUBU 106.3 adds Banks

**IOWA:**

Boone: KRUU 98.3 FC to classic hits "98 Rock"  
 Clear Lake: KCLK 103.1 FC to classic rock "The Fox"  
 Council Bluffs: KIWR 89.7 FC to adult alternative  
 Ida Grove: KIDA 92.9 adds WW1 country (&)  
 Onawa: KOLK 102.3 CC (ex KOOO), NW, country  
 Red Oak: KCSI 95.3 NC to 20.4 kW, CX

**KANSAS:**

Belle Plaine: KSNS 92.7 CC (ex KANR), NW, AP - news  
 Hugoton: KFXH 106.7 FC to Jones soft AC (&)  
 Hutchinson: KIMS 91.7 NO-CX-DE

**KENTUCKY:**

Benton: WCBL 99.1 QC from 102.3  
 Bowling Green: WDNS 93.3 QC from 98.3  
 Flemingsburg: WFLE 106.3 adds Jones CD Country (&)  
 Garrison: WNUU 98.3 NO-RE  
 Jeffersontown: WLSY 101.7 QG to 101.3, 2 kW, 19ft  
 XG: 38-13-42 / 85-38-22  
 Lawrenceburg: WKYL 102.1 FC to southern Gospel (&)  
 Lexington: WJGG 104.5 NW, easy listening  
 Lexington: WKQQ 98.1 adds Bob & Tom show  
 Munfordville: WLOC 102.3 PG< 2.8 kW, 410 ft,  
 XG: 37-10-41 / 85-55-15

**LOUISIANA:**

Baton Rouge: WBRH 90.3 NC to 8kW, 371 ft, GE  
 De Ridder: KEAZ 101.7 FC to news, talk // KAOK 1400  
 Lafayette: KRRQ 95.5 NO-RE (6th)

**MAINE:**

Boothbay Hbr: WCME 96.7 FC to SMN oldies // WXGL 93.9

**MICHIGAN:**

Alma: WQBK 104.9 FC to SMN hot AC (&)  
 Essexville: WIXC 97.3 adds Radio One CW (&)  
 Gladwin: WGDN 103.1 FC to WW1 country (&)  
 Otsego: WQXC 100.9 FC to oldies  
 Tawas City: WHST 106.1 FC to SMN Hot AC (&)  
 no longer // WHSB 107.7 Alpena

**MINNESOTA:**

Crookston: KQHT 96.1 FC to Jones soft AC (&)  
 Hermantown: \*NS 92.1 780w, 905ft. (Harbor Bcstng)  
 Paynesville: KZPK 98.9 NW, WW1 Hot Country (&)  
 Proctor: KUSZ 107.7 FC to WW1 Hot Country (&)  
 no longer // WUSZ 99.9

**Minnesota:**

St. Cloud: KCLD 104.7 CX CP for 84.9 kW  
 Warroad: KKWQ 92.5 adds Jones CD Country (&)

**MISSISSIPPI:**

Centerville: \*NS 89.7 70 kW, 298 ft.  
 Cleveland: WCGL 103.9 adds Banks  
 Lumberton: WLUN 95.3 NC to 100kW, 981 ft, RE (5th)  
 Natchez: WTRC 97.3 FC to SMN classic rock (&)  
 Tupelo: WZLQ 98.5 GX CP for 981', 34-10-05/89-09-23

**MISSOURI:**

Cassville: KRLK 100.1 PA: to class C2, CL: Kimberling City  
 Columbia: KCMQ 96.7 FC to rock, adds Steve & DC show  
 Crestwood: KSHE 94.7 adds Bob & Tom show  
 Kennett: KXOQ 104.3 CC (ex KOLW), NW, oldies (&)  
 Knob Noster: KCKX 105.7 PG> 38 kW, 502 ft.  
 Lamar: KHST 99.9 FC to SMN AC (&) (Joplin)  
 Lutesville: KMHM 104.1 CC (ex KQUA)  
 Malta Bend: KRLI 97.5 NO-RX  
 Overland: KRHS 90.1 RA after brief silence, FC to modern  
 rock, 8:30am - 4:30 M/F sked, 'capt on nights for sports

Portageville: \*NS 91.5 AF

St. Louis: KSD 93.7 FC to current oriented rock

SG "Rock 93-7"

Vandalia: KLRK 100.1 NO-CX-DE

Willow Sps: KUKU 100.3 FC to SMN oldies (&)

**MONTANA:**

Great Falls: KAAK 98.9 dec. to 482',

XG: 47-32-23 / 111-17-06

W. Yellowstone: KWVF 96.5 NW, country 6am to 3pm,  
 gold-adult cont. the rest of the time

**NEBRASKA:**

Auburn: KNCY 105.5 FC to WW1 country (&)  
 Kearney: KRNK 102.3 adds Radio One CW (&)  
 McCook: \*NS 93.9 50 kW, 492 ft.  
 McCook: KKYT 105.3 dec. to 590 ft.

**NEVADA:**

Elko: K201DE 88.1 NS-10w: KNIS 91.3 Carson City  
 Mesquite: \*NS 88.7 AF  
 Reno: KOZZ 105.7 FC to rock

**NEW HAMPSHIRE:**

Hampton: WSTG 102.1 CC (ex WZEA), FC to adult stds.

SG "Stage 102.1" (Portsmouth)

**NEW JERSEY:**

Atlantic City: WAYV 95.1 FC to CHR  
 Bridgeton: WJNB 89.3 NO-GE (4th)  
 Manahawkin: \*NS 89.9 5w(h), 400w(v), 164' (NJ PBA)  
 Paterson: WPAT 93.1 FC to Spanish soft AC "Suave"

**NEW MEXICO:**

Gallup: KKJL 106.1 NW, WW1 70's oldies (&)  
 Santa Fe: KZQR 105.1 FC to SMN Hot AC "Star" (&)

**NEW YORK:**

Buffalo: WBO 88.7 removes DA  
 Canandaigua: WMHX 102.3 CC (ex WLKA), FC to adult  
 alternative // WMAX 106.7 Irondequoit (Rochester)  
 Chateaugay: WYUL 94.7 NO-RE (2nd)  
 Glens Falls: WYLR 95.9 FC to country  
 Honeyoy Falls: WRCD 107.3 NW, smooth jazz (Rochester)  
 dec. to 302 ft, XG: 42-54-14 / 77-27-56  
 Minetto: \*NS 106.5 5.1 kW, 328 ft.  
 New York: WXRK 92.3 FC to new rock  
 Noyack: WSUF 89.9 NO-GX (2nd), PG> 12 kW  
 Ossining: WDFH 90.3 NW, alternative  
 Oswego: WGES 105.5 FC to classic rock, "TK-105")  
 Phoenix: WRDS 102.1 adds Banks (Syracuse)  
 Remsen: WUUU 93.5 FC to soft AC (Utica)  
 Southampton: WRLI 89.9 NO-GE (2nd)  
 Warrensburg: WKBE 100.3 FC to AC // WKLI 100.9  
 Wellsville: WJQZ 93.5 adds SMN Hot AC (&)

**NORTH CAROLINA:**

Ahoskie: WQDK 99.3 adds WW1 country (&  
Chapel Hill: WUNC 91.5 inc. to 1361', DA, class C:  
XC: 35-51-59 / 79-10-00  
Goldsboro: W287A105.3 NS-80w: WYFL 92.5 Henderson  
Hickory: WXRC 95.7 FC to adult alternative  
New Bern: \*NS 90.1 AF (Amer. Family Assoc.)  
Salisbury: WEND106.5 PG< 84 kW, 1046 ft, class C1  
XG 35-32-32 / 80-37-44  
Wilmington: WWIL 90.5 NW, cont. Christian, religion

**NORTH DAKOTA:**

Bismarck: KYYY 92.9 FC, back to CHR after a brief  
stint with & adult cont.

Dickinson: KRRB 92.1 NC to 10.4 kW, GE  
Minot: KBQQ 99.9 FC to classic hits

**OHIO:**

Akron: WAPS 91.3 change to non-dir. granted  
Cleveland: WNCX 98.5 FC to rock  
Columbus: WJZA 107.5 NO-RE (2nd)  
Crestline: WYXZ 98.7 CC (ex WAPQ), FC to 70's oldies  
SG "Wixy"

Hubbard: WRBP101.9 adds Banks  
Wauseon: \*NS 88.5 25 kW, 300 ft.

**OKLAHOMA:**

Armstrong: KRKX 96.5 PG> 4.8 kW, 367 ft,  
XG 34-05-56 / 97-10-54  
Collinsville: KQSY 101.5 NO-GE (4th)  
Comanche: KDDQ 96.7 reported SI  
Healdton: KICM 93.7 QC from 105.7  
Lahoma: KMKZ 95.7 NW, adult contemporary  
Sallisaw: KUKU 95.9 adds SMN Real country (&)

**OREGON:**

Astoria: K213BY90.5 NS-3w: KEPI(?)  
Grants Pass: \*NS 91.1 250w, 13 ft. Amer. Family Assoc.  
Phoenix: KROG105.1 FC to country (Medford)

**PENNSYLVANIA:**

Allentown: WJCS 89.3 NW, religion  
Mill Hall: WZRZ 98.7 CC (NS)  
Pittsburgh: WDSY107.9 NC to 17.7 kW, 827ft, GE  
Scranton: WEZX 106.9 NC to 1450w, 617', XC, GE

**SOUTH CAROLINA:**

Conway: WJXY 93.9 adds Radio One CW (&  
Lake City: WWFN100.1 FC to SMN oldies (&  
Myrtle Beach: W244AY 96.7 NS-27w(h): WLPQ 91.7 SC  
Orangeburg: W243AG96.5 NS-27w: WYFH 90.7 SC  
Saluda: WJRW 92.1 FC to oldies (&) during the  
day, and urban nights, PRN talk overnight

**SOUTH DAKOTA:**

Canton: KIXK 102.7 NW, WW1 70's oldies (&)

**TENNESSEE:**

Colonial Hts: WLJQ105.9 NO-GE (3rd)  
Covington: WKBL 93.5 FC to SMN Real Country (&  
Gatlinburg: WDLY105.5 adds Jones country (&  
Hamman: WUFY 92.7 CC (ex WLIIQ)  
Pulaski: WKSR 98.3 CC (ex WINJ), FC to country // AM  
Shelbyville: WWKO102.9 CC (ex WYQC) "The Cow"  
Spring City: WAYA 93.9 NC to 9.2kW, 551', GE, PG< 5.5kW  
574ft, XG: 35-31-50 / 84-43-03  
Tusculum: WSMG103.1 NW, adult contemporary

**TEXAS:**

Ballinger: KRUN103.1 FC to SMN oldies (&  
Bloomington: KLUB106.9 FC to classic rock  
Borger: \*NS 88.7 AF  
Cameron: KHLR 103.9 FC to adult alternative  
Coahoma: KBVG 105.5 NO-GE  
Cuero: KVCO 97.7 RA with SMN oldies (&  
PC> 25 kW, 302 ft  
Fairfield: KNES 99.1 QC from 92.1

**TEXAS:**

Galveston: KRTX 104.9 FC to reg. Mexican //  
KLTN 93.3 (with each station running local spots)  
Ganado: \*NS 104.7 50 kW, 492 ft.  
Goliad: KHMC 95.9 NW, Tejano  
Greenville: \*NS 90.5 AF (Amer. Family Assoc.)  
Killeen: KAJZ 93.3 CC (ex KHHT) "Austin's Jazz"  
Littlefield: KAIQ 95.5 NO-GE  
Sanger: \*NS 89.7 AF  
Snyder: \*\*\* 97.1 GA to add class A  
S. Padre Is: KESO 92.7 CC (ex KJIB)  
Victoria: KXTN 98.7 RA with WW1 oldies (&)

**UTAH:**

Midvale: KQMB102.7 NW, WW1 adult con. (S.L.C.)  
Orem: KENZ 107.5 CC (ex KMXB), FC to new rock

**VERMONT:**

Marlboro: WAIG 101.5 NO-GE  
St. Johnsbury: \*NS 90.5 AF (Christian Ministries)

**VIRGINIA:**

Blacksburg: WVMJ105.3 QC from 104.9, now 3.8 kW, 472'  
Chester: WDYL105.7 QC from 92.1, PC> 6 kW, 321', DA  
Colonial Hts: WKHK95.3 NC to 17.5 kW, 394ft, RE  
Crozet: WCYK102.3 FC to oldies  
Hot Springs: WBHA107.1 NW, country/variety // WVLS 89.7  
Mechanicsville: WCDX92.1 QC from 92.7, PC> 4.5 kW, 771'  
Monterey: WVLS 89.7 NW, country/variety  
Roanoke: WRDJ104.9 QC from 105.3, now 2.5 kW, 1027'  
Rural Retreat: WXBX95.3 FC to Jones a/c (&  
Staunton: WVAO 99.7 FC to country  
Staunton: WWSO 93.1 CC (ex WBGT), FC to oldies

**WASHINGTON:**

Rock Island: KXAA 99.5 PG> PG> 5.3 kW, -82ft., DA  
Tacoma: KUPS 90.1 correct height: 233 feet  
Walla Walla: KHSS100.9 FC to classical (&  
Winlock: KITI 95.1 NW, AC & classic hits

**WEST VIRGINIA:**

Charles Town: WXVA98.3 FC to country "98-3 X"  
New Martinsville: \*\*\* 99.5 GA to add class A  
Salem: \*\*\* 103.3 GA to add class A

**WISCONSIN:**

DePere: WKSZ 95.9 PG< 4.5 kW, 774 ft.  
XG: 44-21-32 / 87-59-07  
Eau Claire: \*NS 90.5 980w, 279 ft. (VCY America, Inc.)  
Green Bay: WHID 88.1 NO-GE, PG< 15 kW, 995 ft.  
La Crosse: WLXR104.9 PC> 3.4 kW, 440 feet  
Madison: W277AE103.3 NS-13w: WFEN88.3 Rockford, IL  
Milwaukee: WQFM 93.3 adds Brademeier - talk (&  
New Holstein: KFKQ92.9 NO-CX-DE (3rd)  
Sauk City: WMXF 96.3 FC to WW1 soft AC (&)

**WYOMING:**

Casper: \*\*\* 104.7 GA to add class A  
Casper: \*\*\* 102.5 GA to add class A  
Cheyenne: \*\*\* 99.9 GA to add class A



*Cont'd A201*

**ALBERTA:**

Grand Prairie: C- 95.5 NS- 10w, religious, will only  
broadcast on May 25, 1996  
Saddle Lake: C- 89.9 wants NS, Native/English, 10w  
partial relay of CFWE 88.9 Lac la Biche  
Whitecourt: C- \*\*\* FM granted for Yellowhead Bdctg

# FMNEWS

MARCH 1996

## BRITISHCOLUMBIA:

Abbotsford: CKSR- 92.5 wants relay here, 890 watts  
 Abbotsford: CKSR 107.5 PG< 15 kW, XG: Mt. Seymour  
 (to serve Vancouver)  
 Cheslatte IR: VF223097.1 QG to 95.1  
 Donald Stn: \*\*\* - two FM low power relay stations  
 granted, for CFMI 101.1, and CISO 103.9  
 Kamloops: CBPL 101.9 PG> 10w (Env. Canada station)  
 Nakusp: \*\*\* ? NS, other details unknown!  
 Vancouver: \*\*\* 94.5 applications for this new freq.  
 Vancouver: \*\*\* 96.1 applications for this new freq.

## MANITOBA:

Winnipeg: \*\*\* 106.3 NS, 20w, 5/25/96 only, religious

## ONTARIO:

Astoria: C- 93.5 wants 50w temp. French station  
 Ft. Erie: CKEY 101.1 FC, evolving a bit more towards  
 dance oriented modern rock, instead of guitar base  
 Hawkesbury: CHPR102.1 will go stereo by Oct. 12, 1996  
 Noelville: C- 93.5 wants 50w temp. French station  
 North Bay: C- 93.5 wants 50w temp. French station  
 St. Charles: C- 93.5 wants 50w temp. French station  
 Simcoe: CHNR 1600 wants 106.7, 3.32 kW, AM 1600  
 would go silent within one year of change  
 Thunder Bay: CJSD 94.3 QG< 93 kW (in conjunction with  
 a move to a better site with higher HAAT)  
 Thunder Bay: CJLB 105.3 wants class C status and XG  
 to Mt. Baldy

## PRINCE EDWARD ISLAND:

Charlottetown: CHLQ93.1 FC to soft AC "Magic"

## QUÉBEC:

Amos: CHOA296.5 req. to delete CHOA1 103.5 after  
 this stations power increase takes place  
 Blanc-Sablon: CBMS102.7 PG< 78 watts  
 Blanc-Sablon: CBSI21 107.1 PG< 78 watts  
 Lévis: CFOS ??? PG< 3.597 kW (not sure of freq.  
 is this supposed to mean CFLS 102.9?)  
 Longueuil: CHAA 103.1 wants 103.3, 156 watts  
 Ste-Agathe-des-Monts: \*\*\* 101.9 app for tourist stn, 4.1 w.  
 Ste-Anne-des-Monts: \*\*\* NS, French, other det. unknown

## SASKATCHEWAN:

Stockholm: C- 104.1 wants CKX 96.1 relay, 10 watts  
 independently owned

## YUKON:

Whitehorse: C- 100.3 two 3 watt tourist stns applied for

• Doug Smith checks in with station listings he found on the Internet of the two Wisconsin Public Radio networks ...

## IDEASNETWORK:

KUWS	91.3	Superior
WHAD	90.7	Delafield/Waukesha
WHLA	90.3	LaCrosse
WLBL	91.9	Wausau
WGBW	91.5	Green Bay
WHBM	90.3	Park Falls
WHWC	88.3	Menomonie
WLFM	91.1	Appleton
WHA	970	Madison
WHHI	91.3	Highland
WLBL	930	Auburndale
WRST	90.3	Oshkosh

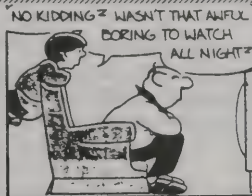
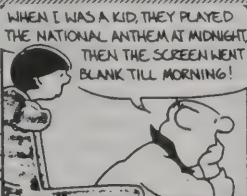
## CLASSICALMUSIC/NEWSNETWORK:

WERN	88.7	Madison
WHSA	88.9	Brule/Superior
WVSS	90.7	Menomonie
WGTD	91.1	Kenosha/Racine
WPNE	89.3	Green Bay
WHRM	90.9	Wausau
WUEC	89.7	Eau Claire

Doug also comments: "WUWM 89.7 Milwaukee airtownsnews/classical/jazzprograms, independent of the state network. There are also commercial classical (WFMR 98.3) and jazz (WFM? 106.9) in Milwaukee. Many of these stations are NOT owned by Wisconsin Public Radio, but carry some or all WPR programs. Only the WH-stations, WERN, WHA, WLBL, and WPNE are W.P.R. owned.

Another short column this month, with less than normal FCC info. Thanks to all of you who have contributed!

BORN LOSER



-via Mike Reid,  
 North York, Ontario CANADA



# WESTERN TV-DX

March 1996

Victor Frank  
12450 Skyline Blvd.  
Woodside, CA 94062-4541  
email frank@sneezy.sri.com  
(415)851-7031

## TV Audio Receiver

Ron Wing  
6725 Shade Lane #106  
Wichita, KS 67212

Dear Victor,

You asked in Western TV DX about a car receiver that would receive TV SAP. Although I never got around to installing it, I bought such a device about three years ago. It is the Autotalk model TX. It cost around \$130. There is a radio box that installs between your car radio and its antenna. When the device is turned off, AM and FM signals pass through it amplified to your car radio. When it is on, the device generates an AM signal on 533 and 1066 kHz. The modulation for the signal comes from the device's VHF/UHF tuner. It is capable of receiving either main channel audio (in mono) or SAP.

The company address from the box is:  
Autotalk, Inc.  
1300 East Main Street  
Grass Valley, CA 95945

I think that having an RF amplifier ahead of your car radio would create intermod problems in a metro area. Maybe they make a model without it.

P.S. The device also has a phono jack, which is apparently for audio output. A person might use the device with a separate antenna and audio amplifier to avoid intermod problems with AM/FM reception

*I phoned the number given and was told that Autotalk Inc. had gone out of business. Any other leads, readers?*

Douglas E. Smith W9WI/4, WSMV TV Engineering  
5700 Knob Road, Nashville, TN 37209-4503 USA  
voice: (615) 353-4444

Interesting comments in January WTV. This is actually not the first TV station to use its SAP to extend the coverage of a radio station: WKPT-19 Kingsport, Tennessee carries WKPT-AM on their subcarrier.

When stereo TV was developed in the 1980s, several subcarrier frequencies were set aside. Stations may actually use any subcarrier they want, but if they use the 15.75 or 31.5KHz subcarriers, they must

adhere to the MTS standard. Those subcarriers are by far the best ones to use, so I know of no station doing things any other way. The subcarriers are all defined in multiples (or submultiples) of 15.734234 kHz, the horizontal sweep frequency:

"1H" 15.734234KHz Pilot  
"2H" 31.468468KHz L-R (for stereo)  
"5H" 78.67117 KHz SAP  
"6.5H" 102.272521KHz Professional channel

There's a lot of 15.734234 kHz energy floating around in a TV - the horizontal sweep amplifier delivers a power on the order of 40 Watts in a 19" TV. If, for example, the 19/38 kHz subcarriers used for stereo FM had been used in TV, the 19 kHz pilot and 15.734 kHz h-sweep energy would heterodyne, yielding a nasty 3.266 kHz beat note. (and a raspy one, since the 15.734 isn't a sine wave) This is why the multiples of 15.734234 were chosen. The subcarrier frequencies are frequency-locked to the horizontal sweep of the video modulating the transmitter - before the video is passed to the transmitter, it's looped through the stereo subcarrier generator. This prevents low-frequency beats from drift of the subcarrier frequencies.

Of course, the pilot and L-R signals are needed for stereo sound. For the most part, stereo TV works the same way as stereo FM, except for the different subcarrier frequencies and the use of DBX compression on the L-R signal. This compression reduces noise. I'd imagine most who DX both FM and TV have noticed the effects. A weak and noisy mono TV signal doesn't get much worse when you switch to stereo. On the other hand, a weak and noisy FM signal usually does get a lot worse with stereo.

The SAP channel was intended for a second-language soundtrack. (which is why it's labeled "L2" on many TVs, mine included) Several other countries had stereo before the USA. In Japan, the L-R subcarrier can be alternately used for second-language audio. (which means stereo and SAP are mutually exclusive there. Some kind of signaling is used so that the same transmitting equipment and receivers can be used either way) I'm told the most common use for this in Japan is to air the original English audio on American programs.

## Western TV DX *(Doug Smith's comments conclude)*

Here in the USA, I've heard a lot of things on SAP. Quite a few stations simply simulcast their main program. In some cases, this is because set owners have triggered their L2 button without knowing it, and can't figure out how to deactivate it. If the same program is on both channels, it doesn't matter <g>.. Some PBS stations, including my local WDCN-8, are carrying "Descriptive Video Services". A narrator describes the scene, for the benefit of the visually-impaired. ("closed-captioning for the blind"?). Something else that's popular around here is a simulcast of the local 162 xMHz NOAA weather radio. That sure makes things easy to ID! Finally, one station (WLKY-32 Louisville) uses SAP to distribute news promos to local radio stations.

Finally, there's the Professional (or Pro) channel. This one is of limited bandwidth (3 kHz audio bandwidth) and no compression is required. (though most stations use it anyway) This channel is intended for internal use by the TV station, and not for reception by the general public. The two most popular uses are for cuing reporters on live remote (which seems to be what KRON and KPIX are up to - try listening to their Pro channels during a news broadcast, I'll bet you'll hear some producer's cues) and to return telemetry data from the transmitter to the studio. (which seems to be what KGO and KOVR are doing) You're the first DXer I'm aware of to be listening to these

Usually, all subcarriers are present at all times. It's \*possible\* to turn them on and off, but it usually isn't done.

Personally, I count TV DX regardless of which part of the signal is used to make the ID. Sometimes, CCI will obscure the ID slide while the aural ID is clear. Or, the visual ID will be so tiny as to be illegible even with a snow-free picture. On the other hand, some state PBS networks don't even do aural IDs (the FCC says audio \*or\* video, you don't have to do both) so it's necessary to see the picture. WOSU-34 and WLIO-35 are in my logs only because of SAP - I had the correct networks on audio and video but no local content. But the Toledo and Columbus NOAA radios on the SAP positively IDd both stations. If I had a teletext receiver, I'd certainly count teletext IDs. (though as you say, the picture has to be pretty good before teletext works!)

Fernando's DX continues to amaze! Though, having visited south Texas in December, I can say tropo conditions down there are much better than

anywhere else I've been. 300-mile car radio FM reception doesn't seem unusual.

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805)687-7803

This report covers December 1995 and January 1996. December started out with unsettled air conditions, but returned to a fairly stable inversion and warm temperatures from Dec. 8 to 15. This allowed some fair coastal tropo DX to San Diego/Tijuana, channels 6-69 (175-200 miles). After Dec. 15, winter finally hit with the cold, rainy season (snow, higher in mountains) and no more tropo DX. It has been that way since then. Best of DX to all, Dennis.

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

### Equipment:

VHF: Zenith System 3 19" TV, Winegard PR-5040 at 18' AGL, Tandy RG-6QS, Channel Master 9510A rotor; UHF: JC Penney (RCA) 19" TV, Goldstar GHV-1280M VCR w/ RDX UA-75 UHF balun at input, Channel Master 4257 Quantum corner-yagi w/Winegard GA-4700 preamp at 24' AGL, Belden RG-6, Archerotor B.

December 1995					UTC
25 Es	1600	unIDs	2 Mexico		
	1758	WGRZ	2 NY		1091
		WUND	2 NC		1031
	1803	WUNC	4 NC		875
	1808	WRAL	5 NC		896
	1829	KDKA	2 PA		945
	1831	WCMHt	4 OH		
	1835	WOAY	4 WV		810
		WTAE	4 PA		945
	1845	WLWT	5 OH		695
	1855	WTVH	5 NY		1212
	1920	XHBS	4 SI/SO		
		unIDs	2,4 Mexico		
	1940	WDTN	2 OH		735
25 Es	2005	unID	5 Mexico		
	2115	WBBM	2 IL		737
	2120	CHBX	2 ON		1098
	2140	WBAYt	2 WI		
	2250	KPHO	5 AZ		1065
	2255	KNAZ	2 AZ		1045
	2320	KVOAt	4 AZ		
	2325	WMAR	2 MD		1072
	2333	WCSC	5 SC		805
26 Es	0035	WCBD	2 SC		805
	0145	WGRZ	2 NY		1091
	0208	unID	2 CTV		

Western TV DX (Danny Ogleshorpe's report continues)

26 Es	0220	WIVB	4 NY	1091
	0230	unIDs	4,5 Canada	
	0255	WJBK	2 MI	904
	0415	WFOR	4 FL	939
		WPBT	2 FL	939
	0420	unIDs	2 Spanish	
	0429	WESH	2 FL	789
	0433	Cuba	2 Test Pattern	
	0505	WJXT	4 FL	728
	0515	WCIV	4 SC	805
	0525	WWAY	3 NC	924
	0540	WOAY	4 WV	810
	0610	WFMY	2 NC	838
	0645	WMAR	2 MD	1072
	1559	WUND	2 NC	1031
	1650	KNAZ	2 AZ	1045
		unIDs	2,4,5 US & Mexico	
	1720	KPHO	5 AZ	1065
	1729	KMOHt	6 AZ	
	1745	KVVU	5 NV	1238
	1758	KVOA	4 AZ	1004
	1800	KTVK	3 AZ	1065
	1915	unIDs	2,4,5	
		WUNC	4 NC	875
	1925	WCYB	5 VA	721
	1928	WSJK	2 TN	665
	1935	WOAY	4 WV	810
	1945	WRC	4 DC	1042
	1950	WDTV	5 WV	876
		WTTG	5 DC	1042
	2025	WUND	2 NC	1031
	2045	WTMJ	4 WI	801
	2059	WBEM	2 IL	737
	2110	WTOM	4 MI	1042
		WMAQt	5 IL	
	2120	WCBdt	2 SC	
	2135	KDKA	2 PA	945
	2140	WNBC	4 NY	1238
			"Tri-State Nx Ch."	
		unIDs	2,4,5	
	2202	WGRZ	2 NY	1091
	2205	WIVB	4 NY	1091
	2215	WDIV	4 MI	904
	2218	WDTN	2 OH	735
	2237	WTVH	5 NY	1212
	2240	WTAEt	4 PA	
	2259	WCVB	5 MA	1423
	2305	WBZ	4 MA	1423
	2320	WGBHt	2 MA	
	2350	CBFT	2 PQ	1414
27 Es	0155	unID	2 XEW	
		XHLPB	4	
	0225	KTWO	2 WY	996
	0245	WUND	2 NC	1031

	0255	WUNC	4 NC	875
	0259	WMAR	2 MD	1072
	0315	unIDs	2,4 Canada	
	0330	WRC	4 DC	1042
		unID	5 Mexico	
	0335	WTTG	5 DC	1042
	0340	KDKA	2 PA	945
	0356	WJBK	2 MI	904
	0359	unID	5 CBC "Manitoba"	
			with Winnipeg ads.	
	0401	WCCO	4 MN	870
27 Es	0410	WTAE	4 PA	945
		KSTP	5 MN	869
	0412	KGFE	2 ND	1086
		WGRZ	2 NY	1091
	0415	KXJB	4 ND	1028
	0433	WDTN	2 OH	735
		unIDs	2,3,4,5 US & Canada	
	0528	WUND	2 NC	1031
	0608	KDKA	2 PA	945
	0635	CKND	2 MB	1279
	1610	unIDs	2,4,5,6 Mexico	
	1704	XHG	4 Jalisco	1003
	1743	XEDKt	6 " " Telemundo	
	1810	KOAA	5 CO	734
	1815	KNAZ	2 AZ	1045
	1820	KCNC	4 CO	734
		unIDs	2,4,5 US & Mexico	
	1950	KVVU	5 NV	1238
		KCWC	4 WY	1071
	2130	XHAGU	2	
		unIDs	2,4,5 Mexico	
28 Es	0245	KWGN	2 CO	806
	0315	KDUH	4 NE KOTA-3	852
	0340	KTWO	2 WY	996
		KXMA	2 ND	1110
	0430	CKCK	2 SK	1367
	0501	CKND	2 MB	1279
	0515	KNAZ	2 AZ	1045
	0523	KASA	2 NM	753
			"Casa Fox 2"	
	0555	WUND	2 NC	1031
	1559	WESH	2 FL	789
	1605	WPBT	2 FL	939
		WFOR	4 FL	939
28 Es	1630	unIDs	2,4,5 US & Mexico	
	1855	unID	6 Mexico	
	2000	unID	3 XEW Local off.	
	2015	unID	2 Note #1.	
29 Es	0420	WGRZ	2 NY	1091
29 tr	0845	KCEN	10 TX	229
	1753	KAFT	13 AR	254
	1825	KTEN	10 OK	234
30 tr	0915	WLOX	13 MS	319
31 Es	0640	KDKA	2 PA	945
	tr 0745	KCEN	6 TX	229
	0830	KTEN	10 OK	234



# **Western TV DX** (Danny Oglethorpe's report concludes)

31 tr	1625 KOCO	5 OK	303
	1628 KWTW	9 OK	303
	1650 KETA	13 OK	303
	1725 KAFT	13 AR	254
	2035 KTUL	8 OK	288

Note 1: This Mexican station IDed as "Canal 2." The logo was a two with the word "canal" written around the top part of the two. Each letter was in a circle. In and out for almost two hours.

Pat Dyer, 5315 Silvertip Drive, San Antonio, TX 78228-2744

## **Equipment:**

Emerson 1987 model 872 VCR used as the tuner ahead of a 9" B&W Keepsafer CCTV monitor.

Archer V-100 and 8-bay bow-tie UHF array at 20' AGL with rotor

<b>October 1995</b>			CST
06 Es	1803 TGV-	3 GUATAMELA	1120
12 Es	1936 XHBQ-	3 ?	
19 tr	1355 (LPTV) 54	local showing freeway tlc	
23 Es	0929 WEAR-	3 FL PENSACOLA	660
23 Es	0939 WBRZ	2 LA BATONROUG	446
23 Es	1104 WREG-	3 TN MEMPHIS	645
23 Es	1429 WDIQ	2 AL DOZIER	739
24 Es	0928 WCBD	2 SC CHARLEST	1139
24 Es	1045 WSAV-	3 GA SAVANNAH	1040
24 Es	2059 KGFE	2 ND GRANDFOR	1289
25 Es	0849 KOTA-	3 SD RAPIDCIT	1039
25 Es	0852 KXMA	2 ND DICKINSO	1213
25 Es	0942 KTWO-	2 WY CASPER	1011
25 Es	1029 KUTV	2 UT SALTLAKE	1083
25 Es	1110 KGAN	2 IA CEDARRAPI	960
25 Es	1129 WCIA	3 IL CHAMPAIGN	931
25 Es	1158 WJBK-	2 MI DETROIT	1238
25 Es	1255 WDTN	2 OH DAYTON	1076
25 Es	1359 WISC-	3 WI MADISON	1062

<b>November 1995</b>			CST
26 tr	0154 KTRE-	9 TX LUFKIN	263

<b>December 1995</b>			CST
04 Es	1815 KGAN	2 IA CEDARRAPI	960
04 Es	1826 KIMT	3 1011	
04 Es	1859 WISC-	3 WI MADISON	1062
16 Es	1759 KBME-	3 1187	
16 Es	1759 KUSD-	2 SD 942	
24 Es	1654 WCBD	2 SC CHARLEST	1139
24 Es	1706 WFMV	2 NC GREENSBO	1173
24 Es	1727 WBTW	3 NC CHARLOTT	1090
25 Es	1356 WESH	2 FL DAYTONAB	1040

25 Es	1359 WEDU	3 FL TAMPA	994
25 Es	1455 WBBM	2 IL CHICAGO	1053
25 Es	1526 XHBC	3 BN MEXICALI	1022
25 Es	1653 KT4K	3 AZ PHOENIX	836
25 Es	2207 WWAY	3 NC WILMINGT	1237
25 Es	2222 WKYC	3 OH CLEVELAN	1253
25 Es	2223 WBTW	3 NC CHARLOTT	1090
25 Es	2325 WDTN	2 OH DAYTON	1076
25 Es	2334 WSAZ	3 WV HUNTINGT	1123
26 Es	0025 KTVI	2 MO ST LOUIS	782
26 Es	1056 WKYC	3 OH CLEVELAN	1253
26 Es	1107 WSAZ	3 WV HUNTINGT	1123
26 Es	1127 WAVE	3 KY LOUISVILL	974
26 Es	1459 KIDK	3 ID IDAHOFAL	1240
26 Es	1940 KCBS	2 CA LOSANGEL	1186
26 Es	2101 XHBC	3 BN MEXICALI	1022
26 Es	2235 KVBC	3 NV LASVEGAS	1052
27 Es	1058 WEDU	3 FL TAMPA	994
27 Es	1256 XHBC	3 BN MEXICALI	1022
27 Es	1400 KCBS	2 CA LOSANGEL	1186
27 Es	1424 KIDK	3 ID IDAHOFAL	1240
27 Es	1433 KVBC	3 NV LASVEGAS	1052
27 Es	1523 KNAZ	2 AZ FLAGSTAFF	843
27 Es	1959 KGAN	2 IA CEDARRAPI	960
27 Es	2204 WISC	3 WI MADISON	1062
28 Es	0959 WCBD	2 SC CHARLEST	1139
28 Es	1058 WEDU	3 FL TAMPA	994

Comments: A slow fall Es season. The Oct 23 short skip into Baton Rouge is as close as it ever gets here.

The 54 LPTV now runs 05-2000 with innumerable locales for camera views of the freeway traffic flow (with pans and zooms). Still absolutely no local publicity about its existence even though it has provided live coverage of several accidents.

Temps here in the low-80's caused a lot of tropo that buried most of the effects of the Geminids (not that I do much with the TV anymore when our locals 4 and 5 are never off air).

A huge amount of Es 25-28 Dec here, with many hours spent on the FM band during it.

Keith Smith, 7601 N. Hwy VV #95, Columbia, MO 65202. (573)443-1750.

## **Equipment:**

Funai FC1300T TVCR with (cc) decoder. Co-tenant's antenna.

<b>December 1995</b>			CST
14 tr	1450 KMBC	9 MO	
	KYFC	50 MO	
	1459 KTKA	49 KS Garfield	176
	2220 KDNL	30 MO	

## Western TV DX *(Keith Smith's report concludes)*

14 tr	2220	Springfield	10/21/27/33	
		Note #1		
	2227	KMCI	38 KS	
	2253	KSHB	41 MO	
16 tr	0352	KOTV	6 OK	Note #2 274
26 Es	1326	KGBT	4 TX	920
		KRGV	5 TX	932

### Notes:

1. All in snowfree s/(CC). KSPR-33's weatherman bore a striking resemblance to Alex Trebek. Sounded like him, too!

2. The credit for this one actually goes to my cable company. You see, they pull in KMOS-6 for this tier because it is not receivable over-the-air without a strong antenna. (Heck, it doesn't even cover Rocheport very well!) Well, KMOS-6 was off at this time . . . KOTV sneaked in on the channel through the line, with a snowy test pattern. Thanks, Capital Cable! Your antenna is better than you think.

No DX in January . . . hope February is better. (I may even throw in an April Fools' joke!)

This is your conductor breaking in: I have received a very large report of TV & FM DX from Anthony Mann in Perth, Western Australia which I will probably not be able to include in its entirety. The FM reports rightly fall in the bailiwick of Southern FM DX. Most of the IDs fall in this category. Most of the others are identified only by video carrier frequency and beam direction. Nevertheless, there are some TV stations, and groups of stations, in that part of the world that do have unique frequencies. Perhaps one of the best of these is KVZK-TV2 on 55.247 MHz in American Samoa, 4700 miles distant from Perth.

One item to bear in mind when perusing Mr. Mann's report is that the first two or three letters of Australian TV station calls are an abbreviation of the name of the license. They end in the channel #. The last letter denotes the Australian state they are in: n=New South Wales, q=Queensland, v=Victoria, s=South Australia, w=Western Australia, l=Northern Territory, c=A.C.T. (capital), t=Tasmania.

Since there are a number of different TV formats used by countries within Mr. Mann's reception range, it seems altogether fitting and proper that we should inform our readers of just what the standard frequencies are. Note that, as in the USA, stations may be assigned frequencies offset plus or minus 10 kHz, and some (like KVZK) may be found on other offsets.

## TV Channel/Frequency Table

Channel	Video	Audio	Countries
NZ1	45.250	50.750	New Zealand
AU0	46.250	51.750	Australia
E2	48.250	53.750	Malaysia, Thailand
R1	49.750	56.250	Russia
C1	49.750	56.250	China
A2	55.250	59.750	Philippines, Korea, Am. Samoa, Hawaii
E3	55.250	60.750	Malaysia, Thailand
NZ2	55.250	60.750	New Zealand
AU1	57.250	62.750	Australia
C2	57.750	64.250	China
R2	59.250	65.750	Russia
A3	61.250	65.750	Hawaii, Philip, Korea
E4	62.250	67.750	India, Indonesia, Malaysia, Nepal, Pakistan, Thailand
NZ3	62.250	67.750	New Zealand
AU2	64.250	69.750	Australia
C3	65.750	72.250	China
A4	67.250	71.750	Same as A2
A5	77.250	83.750	Korea, Thailand, Am. Samoa, Hawaii
R3	77.250	83.750	Russia
C4	77.250	83.750	China
A6	83.250	87.750	Korea, Phillipines, VietNam, Hawaii
R4	85.250	91.750	Russia
C5	85.250	91.750	China
AU3	86.250	91.750	Australia

In the report below, "b" refers to bfo, and suggests that the signal was weak, much too weak for audio or video reception.

A. Mann, Perth, Western Australia

### Equipment:

Icom R-7000, Mitsubishi DA-F10 analog FM tuner, Onkyo T-488F tuner (after 14 Dec 95), Channelmaster "Crossfire" 1617A manually rotatable, horizontal polarization.

Note: 55.2X is from the north unless otherwise noted.

Below is my TV (&FM) DX log for Nov 29 to Jan 18. There have been many multi-hop Sporadic-E openings; at least 5 to America Samoa (4700 miles). (Dec 26, Jan 5, Jan 14, Jan 16, and Jan 18). The best was on Jan 14th when I had the audio at 59.747 MHz as well.

November 1995

GMT+8hr

29 0740 46.17 Queensland b, 46.24 b

0824 45.2501, 45.2601, 46.17, 46.24, 57.260

## Western TV DX *(A.Mann's report continues)*

0953 45.2501b, 46.24, 46.17, 46.2612b  
 57.2501, 57.2583, 57.2601, 62.75  
 1004 Ditto+51.67, 51.74, 45.2398, 55.2398NZ  
 1048 45.24, 5, 6, 26.17, 46.24, 46.26, 55.24NZ  
 57.25, 57.26  
 1854 46.17 b  
 0824 46.17, 46.26, 57.250  
 0944 45.250, 46.24  
  
**December 1995**  
 01 0830 45.250, 57.250  
 05 1752 48.250, 48.251, 55.2501 Thailand  
 1808 55.2501 60 Hz buzz (VietNam?)  
 55.2503/4 b weaker, gone by 1825  
 06 0700 57.250  
 0900 46.17, 57.250 & 0930 (57.250 only)  
 1745 57.250 & 1830  
 07 0709 46.24, 51.74, 57.250  
 0728 45.24, 45.25, 45.2605, 46.17b,  
 46.2612b, 46.2501b, 46.24, 51.74  
 57.250b  
 08 0830 46.17, 46.24, 46.25, 57.26b  
 0930 46.17, 51.67, 57.26b  
 09 0618 46.17b (Mt Mowbulla, Queensland)  
 11 1000 45.240b, 46.17, 46.24  
 14 0640 45.250b, 46.24, 46.260b  
 0740 45.250b, 45.240b  
 15 0610 46.24 b (gone 0700)  
 0930 45.240b, 45.2500(2), 45.2600, 46.17,  
 46.240, 46.250b--all gone 1040.  
 16 0830 45.2499/2501(2), 46.26, 46.17, 51.67,  
 57.2400 (seq1?), 57.248b, 57.2603.  
 0849 Ditto+46.2616, 45.24, 45.2605  
 0901 57.2400 strong  
 0920 Ditto+55.2500bNZ, 45.2503  
 0953 +50.75  
 1053 45.24, .25, .26, 46.17, 46.24, 46.25,  
 55.2503, 57.2500  
 1400 (North) 55.2399b, 55.2501(2) echoey  
 b, A2? (gone 1410)  
 17 0810 45.2398(2), 45.2500, 45.2605, 45.2609,  
 46.24, 55.2500NZ, 57.2501 (gone 0930)  
 18 0847 46.17, 57.2501  
 0847-1100 Australian FM by Es & tropo  
 1335 45.2501, 45.2600, 45.2603, 55.250 NZ  
 1450 Ditto  
 1540 45.24, 24.25, 45.26(2), 55.2501NZ,  
 50.75 (in until 1650), 49.7501b  
 1600 +60.75, 55.250 & 55.2399NZ  
 1621 55.2601  
 1629 62.2399bNZ, 45.2400, 45.2500,  
 45.2501, 45.2600, 45.2610  
 1650 55.2400, 55.2500NZ, +46.2400  
 1700 46.24 & 51.74, 57.250, 57.2583b  
 1740 45.24, 45.25, .26, 46.24, 57.25, 57.2601

1740 55.2602bNZ, +50.75 (in past 1827)  
 1745 +45.2610b, 48.2401b, 48.2500b,  
 and 48.2510 b (Thailand)  
 1827 45.24, .25, .26, 55.2400bNZ, 55.2606  
 b NZ, 57.2500 (also at 1855)  
 19 0755 45.25+/-  
 0947 45.26b, 57.250  
 1013 45.24, 45.26b, 46.24b, 57.250, 57.25  
 1024 55.240 b NZ  
 1044 45.24 & 46.2605b, 46.24b, 26.26b  
 57.2500  
 1100 ditto + 46.17  
 1738 46.17  
 1952 45.2503 b, 46.24 b, 57.250  
 21 0636 46.17 & 51.67, 45.24(2), 45.25, 45.26,  
 46.2610b, 57.2401, 57.2501  
 ABSQ1 57.2601, 55.2500 b NZ  
 0716 ditto+55.2605bNZ, 0738 +57.2400  
 0740-1738 FM Hamilton, AliceSp, Elizabeth  
 0940 46.24, 51.74, 55.2400 NZ  
 1030 45.24, 45.25, 45.26; 55.24, 55.25, 55.26  
 b NZ; 57.2583, 57.2500, 57.260,  
 46.17, 46.24, 51.67, 51.74  
 1139 45.250, 45.260; 46.24, 46.17, 46.261,  
 51.67, 51.74, 57.250, 57.258, 57.260  
 1225 50.75, 45.24, 45.25, 45.26; 46.24, 46.17  
 51.67, 51.74; 55.24, 55.25NZ  
 1251 55.240 + 62.2399b NZ  
 1301 +50.74 (in past 1327)  
 1314 45.24, 45.26; 26.24, 50.75, 51.74; 55.24  
 55.25NZ; 57.2501(2), 62.75  
 1539 45.24, 45.25, 45.26, 55.24 & 55.25NZ;  
 50.75; 62.2400bNZ, 57.250, 57.260  
 21 1627 50.75; 55.250NZ, 60.75  
 1704 50.74; 55.2500 > 55.2600 & 55.2605NZ  
 1738 51.74, 50.75; 55.240NZ  
 1740 45.24, .25, .26; 46.17, 46.24, 60.74  
 1806 ditto+51.74; 55.24NZ  
 1836 45.24, .25, .26; 26.17, 46.24, 46.2613  
 1854 ditto+57.250, 57.260  
 1930 46.17b, 46.24, 45.24, 57.250, 57.260  
 2100 45.24, .25, .26; 26.17; 55.24 & 25bNZ  
 22 0615 45.24, 45.25b  
 0803 45.24, .25, .26, 46.17; 46.24, 51.67;  
 57.2502, 57.2602, 55.250bNZ  
 0850 Melbourne FM  
 0953 0803+55.24, 55.25bNZ, 57.25, 57.26  
 22 1529 57.250  
 1708 46.24 & 51.74, 57.2503, 57.2602  
 23 0846 46.17, 46.24; 46.26; 57.25, 57.26  
 1043-1911 FM S.Australia & Alice Springs  
 1043 46.17; 46.24b; 57.24, 57.26; 62.75  
 1730-1913 46.17; 46.24b; 57.250, 57.2605;  
 62.75, 45.25, .26, 51.67, 55.2605bNZ  
 24 0710 46.17 & 46.24b  
 0825 & 0833 45.2399, 45.25, 46.17, 46.24,  
 57.25, 45.2502, 51.74, 57.2502, 57.2583  
 57.2602, 55.2399bNZ



## Western TV DX *(A.Mann's report continues)*

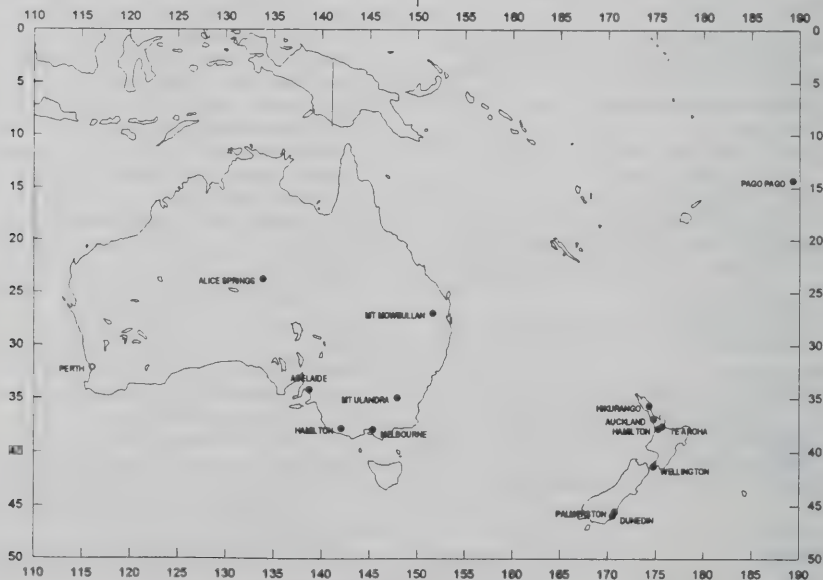
- 24 0838-0930 FM Adelaide, S. Australia  
1016-1247 55.240bNZ, 46.17b, 46.24b, 57.250  
57.260, 57.2503, 57.2583  
1645-1733 46.17, 57.2601b, 51.67, 57.240,  
57.260  
2117-2200 57.2503, 57.2603, 46.17b, 46.24b  
25 0620-0821 45.240b, 45.25b, 45.26b, 46.17b  
1309 45.2398, 45.2606, 46.2402, 57.2502,  
57.2602  
1557-2030 45.24, 45.25, 45.26, 50.74, 57.25,  
46.17, 55.240NZ, 45.2605, 57.2501b,  
50.76, 62.250b, 46.15b, 57.2401b,  
57.2583b, 51.67, 46.24, 46.26, 57.2601  
26 0828-1000 46.17, 46.24, 57.250, 57.260b,  
55.2401bNZ?, 55.2501b?, 51.67, 45.25b  
45.2605b, 0852-0926 FM S Australia  
1750 NE 46.17, 55.2472b (KVZK), 45.2601b  
29 1802-1819 45.2501b, 45.2399b, 55.2605bNZ

January 1996

UTC+8 hrs

- 03 0710 57.250b  
1655-1850 46.17, 45.250b, 55.250bNZ, 57.250  
04 0844-0909 46.24, 57.250, 45.2605b, 46.17b  
1622-1846 45.2398b, 45.2501, 46.17, 45.24,  
45.25, 46.24b, 55.2501bNZ, 46.2611b,  
55.2507bNZ, 57.250b  
05 0940-1110 46.17, 46.24b, 57.2501b, 57.2601b  
1405 46.17, 45.261b, 57.260b  
05 1413 ABSQ1 57.2600 & 62.76 Passchendaele  
1413-1614 KVZK-TV2 55.2471-55.2472 4700  
1452-1650 57.250, 57.2601b, 57.2583b, 46.17  
46.24b, 45.2605b, 45.2399, 46.261b,  
57.2401b, 51.67, 55.2400b  
06 0700 46.17b

- 07 0900-1005 45.2397b, 45.2605b, 46.17, 46.261  
57.2501, 57.2601b, 57.2500, 57.2503,  
62.75  
1115-1300 57.250  
09 0850-0945 57.250, 45.250, 45.2600b  
10 0553 46.17b, 46.24b, 57.25b, 57.26b  
0820 46.17b  
11 1255 57.250  
14 0725-0945 45.2398, 45.2605, 46.17, 46.24,  
55.2399NZ, 57.250, 57.260, 45.240,  
45.260, 46.26, 55.25, 57.2602, 51.67,  
62.2399bNZ  
0725-1250 Australian FM  
1000 51.74, 55.240bNZ  
1000-1210 KVZK-TV2 55.2471-55.2472b 60Hz  
1140-1252 46.24, 46.26, 46.17, 45.24, 45.26,  
51.74, 57.250, 57.260, 55.2406.250NZ,  
55.2501b, 50.76, 57.24, 62.240NZ  
1143-1210 55.747 TV Audio  
15 1745-1830 57.250  
16 0830-0839 KVZK-TV2 55.2469bfo 4700  
0830-0955 45.2605, 46.2611, 62.2398bNZ,  
46.17, 51.67, 45.25, 50.75, 57.24, 57.25  
57.26b, 55.244.25bNZ, 45.24, 45.26  
1635 57.250  
1837-2015 46.240, 57.250, 57.260  
17 0659-1025 45.24, 45.25, 45.26, 55.24bNZ,  
46.17, 57.25, 45.2398, 45.250, 45.260,  
51.74, 57.2502, 57.2602, 55.2399bNZ,  
55.2501bNZ, 57.260  
18 0807-0825 45.24, 45.25, 45.26, 46.17,  
55.2397, 55.2501NZ, 57.2501b, 57.2601b  
62.240bNZ, 50.74  
0857-0907 KVZK-TV2 55.2469b Am. Samoa  
0857-0950 46.261, 46.244, 51.74, 46.17,  
45.2698, 45.2500, 45.26800, 45.2610,  
50.74, (55.24455.25NZ), 62.2398bNZ,  
45.24, 45.26(2)



Australia/New Zealand TV

# NORTHERN FM-DX

GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIAMSVILLE, NEW YORK 14221  
**NOTE: NO VALID E-MAIL ADDRESS**  
**(will have a new one shortly)**

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada

**March 1996 - DEADLINE: The 5th - LOG CUTOFF: 3 months from postmark**

Another relatively short column, as not much is happening in DX-land. My apologies to Ralph Strobel for the delayed printing of his report on the following page. It just missed the January VUD, and then got accidentally placed in the wrong file folder, missing February's column. So the loggings being that old are my fault, not Ralph's. Sorry! Let's hope that some warmer weather will prevail by the time you get this - a cold winter up here! With the warmer weather, be on the lookout for some tropo!! If you get any DX, let's hear from you today! ...

**MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONNECTICUT 06082**

Equipment: Carver TX-11 and Sherwood rx, (both IF modified), Probe 9 at 30 feet with rotor. New are underlined. Also older Sherwood AM/FM also modified.

## DECEMBER 1995 DX

### 25 ES

2220 KDGE 94.5 TX Gainesville, "The Edge"  
2229 KOLL 94.9 AR Maumelle, oldies

### 26 ES

0947 WBLX 92.9 AL Mobile, "93-BLX"  
"The Beat of the Bay"  
0950 WEZB 97.1 LA New Orleans  
0953 WQUE 93.3 LA New Orleans, "Q93  
nothing but jams." I believe it.  
0955 WMMK 92.1 FL Destin, "K92", k  
1000 WOGL 93.5 AL Butler  
1000 WKSJ 94.9 AL Mobile, k  
1001 WLUN 95.3 MS Lumberton.  
1747 WOOF 99.7 AL Dothan

### Dec. 26 Es cont.

1753 KKBQ 92.9 TX Pasadena, "93 Q Country"  
1755 KEYH 97.1 TX Cleveland, SS (w/EE ID)  
1803 KWKH 94.5 LA Shreveport, k  
1812 KZMZ 96.9 LA Alexandria, classic rock  
1827 KCIL 107.5 LA Houma, k  
1829 KKYR 102.5 TX Texarkana, "Kicker", k  
1835 KUAR 89.1 AR Little Rock  
1839 KGAP 98.5 TX Clarksville, wx, g  
1843 KURB 98.5 AR Little Rock  
1845 KZRB 103.5 TX New Boston, rap

### 27 ES

1153 WZLQ 98.5 MS Tupelo  
1201 WJNS 92.1 MS Yazoo City  
1202 WSYE 93.3 MS Houston, "Sunny 93"  
1204 WKTF 95.5 MS Jackson, "Catfish 95"

No phaser used this time. Had a new roof put on the house. Just barely got the Probe 9 up before the snow hit. My phase antenna now sits somewhere in the back yard buried under 1-2 feet of snow. We can consider this a gift from Santa. Thanks to Joe Fela for the tip. I was not looking for this.

**BRUCE ELVING - P.O. BOX 336- ESKO, MINNESOTA 55733-0336**

FAX (218) 879-8333

Here's my report, with the only memorable DX occurring in December. That was the finest winter skip I ever experiences, although confined to the 88-92 part of the band, but lasting over three hours. It makes your analysis of E-skip days in 1995 off, since December 26-27 had to be one of the season's best. (Actually, I try to make the skip "season summaries" represent the summer skip season, for the very reason you mention: a last minute opening coming in and fouling things up. I do try and at least extend the summary March-October though. It was indeed a very nice opening, and a pleasant surprise, although with an MUF of only 92, it may not have made the Top 20 anyway-gc).

New stations heard were: WUNC \*91.5 Chapel Hill, NC with only a "WUNC" ID at 2200 CDT, following weather that referred to "the state" and "the mountains" without saying which state. No city of license gonig into the hourly news. Mixing in was WFHC \*91.5 Henderson TN with what sounded like a sign-off. At 2305 I received KVRT \*90.7 Victoria TX, parallel to KEDT-FM \*90.3 Corpus Christi, "South TX Public Radio." At 7 past midnight it was KPAC \*88.3 San Antonio with separate programming from co-owned KSTX \*89.1. KPAC had classical, and was received after WHWC \*88.3 Menomonie WI signed off. Earlier, about 5 p.m. local time WXVS \*90.1 Waycross GA was heard in the Peach State Public Radio ID, as was previously received WAGP \*88.7 \$tereo, promoting the Bread of Life Bookstore in Beaufort SC. From Keith Pugh's Dec. report I'd like to know if WZKS 104.1 Union MS has stereo; from Bob Smolarek's Jan. report if WJCS \*89.3 Allentown PA is stereo. As ever, Bruce

## RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Equipment: McIntosh MR-78 FM Tuner with two CM Stereo Probe 9 antennas and rotors at 36 and 38 feet above ground separated at 23 feet, with use of Bolin phase box.

\*Denotes use of phase box.

## June 1995 (CDT)

13 Es  
1150 KNTU 88.1 TX Denton-Dallas- 808  
(Tri-city ID) Fort Worth, j\$  
1159 KGNZ 88.1 TX Abilene-San Angelo-961  
Snyder, g\$  
1200 KDCD 92.9 TX San Angelo, k\$ 1036  
1249 KTXT 88.1 TX Lubbock, rp\$ 1018  
1300 KENW 89.5 NM Portales, b\$ 1072  
15 tr  
0158 WPTH 88.1 IL Olney, faint, call 175  
(# 62 on 88.1 my best frequency)  
15 Es  
1047 WAYF 88.1 FL W Palm Beach, gr\$ 980  
17 MS  
?? WHYY 100.7 FL Fort Lauderdale, 1018  
Previous Es

18 Es  
?? WUWF 88.1 FL Pensacola, c\$ 683  
19 tr  
2108 WCAK 100.7 KY Carlisle, k\$ 150  
(testing/legal ID)

26 Es  
0500 WUWF 88.1 FL Pensacola, nx\$ 683

## July 1995

1 Es  
1119 WKQS 94.7 FL Gifford, "Kiss-FM" 910  
(o/WFBQ 94.7 IN Indy) 50  
1127 WAOA 107.1 FL Melbourne, r\$ 993  
1130 WKLG 102.1 FL Rock Harbor, wx\$ 1136  
1141 WEEJ 100.1 FL Port Charlotte, o\$ 931  
1149 WSOR 90.9 FL Naples, g\$ 993  
1150 WGWd 93.3 FL Gretna, k\$, ads 655  
1151 WFLZ 93.3 FL Tampa, r\$ 980  
1153 WZZR 92.7 FL Stuart, rp\$ 944  
1217 WZFP 91.1 FL Fort Pierce, g\$ 926  
1221 WJBW 99.5 FL Jupiter, o\$ 965  
(o/WZPL 99.5 IN Greenfield-Indy) 50  
1223 WOZN 98.7 FL Key West, r\$, 1100  
"The Ozone-98-7"

1237 WAIL 99.5 FL Key West, ads\$ 1100  
1240 WCKT 107.1 FL Lehigh Acres, k\$ 963  
1254 WARO 94.5 FL Naples, o\$ 993  
1259 KLDN 88.9 TX Lufkin, c\$ 805  
1300 WSFP 90.1 FL Fort Myers, c\$ 959  
1308 KRNH 95.1 TX Comfort, k\$, 1030  
"On the Ranch"

1318 KZBP 104.5 TX SAT, r\$ 1050  
(o/WGRl 104.5 IN Indy) 50  
1319 KKPS 99.5 TX Brownsville, l\$, 1211  
"K-Pasa-99.5"

1325 KUKA 105.9 TX San Diego, ads\$, 1131  
"Tejano-106"

1337 KQTX 101.9 TX SAT, r\$ 1050  
1339 KKYS 104.7 TX Bryan, r\$ 903  
1342 KBAE 104.7 TX Llano- "K-Bay" 992  
Marble Falls, ads\$

1345 XHPAG 105.3 NL Monterrey, SS\$ 1325  
1350 KCJZ 106.7 TX Terrell Hills-SAT, 1047  
Smooth j\$

## 1 Es (July cont'd)

1354 KPG 100.9 TX Victoria, l\$ SS 1028  
1357 XHAH 103.3 NL Anahuac, "Radio 1234  
(o/WRZX 103.3 IN Indy) NL" 50  
1402 XHNA 105.9 TM Matamoros, \$ 1212  
1405 KVET 98.1 TX Austin, ads\$ 978  
1409 KTBZ 107.5 TX Lake Jackson, p\$ 960  
1410 KBOX 102.1 TX Raymondville, o\$ 1187  
1416 KTSU 90.9 TX Houston, s\$ 915  
1419 KACC 89.7 TX Alvin, wx \$ 931  
ex-91.3

1435 KPLV 93.3 TX Port Lavaca, k\$ 1025  
1438 KMXR 93.9 TX Corpus Ch., r\$ 1098  
1515 KNDL 102.9 TX Alice, SS\$, 1125  
"K-onda-102.9"

1540 KOYE 94.9 TX Laredo, ads\$ 1193  
1605 KUT 90.5 TX Austin, t\$ 978  
1605 KNLE 88.1 TX Round Rock, g\$ 963  
1721 KLUX 89.5 TX Robstown, b\$ 1109  
1724 KLOL 101.1 TX Houston, r\$ 915  
1736 KHJQ 102.1 TX Houston, s\$ 915  
(It took me 23 years to ID this one!)

1750 KSBJ 89.3 TX Humble, g\$ 898  
1754 KRRG 98.1 TX Laredo, wx\$ 1193  
1801 KZFM 95.5 TX Corpus Ch., r\$ 1098  
(o/WFMS 95.5 IN Indy) 50

1805 KVRT 90.7 TX Victoria, c\$ 1028  
1820 KQXT 101.9 TX SAT, wx\$ 1050  
1836 KRXT 98.5 TX Rockdale, k\$ 928  
4 MS

0000 WQCS 88.9 FL Fort Pierce, 926  
Previous Es

7 Es  
1825 WMSJ 91.9 ME Harpswell, g\$ 829  
1852 CIEZ 96.5 NS Halifax, mr\$ 1153  
1922 KCBW 93.1 NS Shelburne, calls 1060

10 tr  
0400 WLMG 89.7 IL Springfield, g\$ 228  
(o/WONU 89.7 IL Kankakee) 145

11 tr  
0240 KCMO 94.9 MO Kansas City, o\$, 495  
PSA ment. KC, "Oldies-95"

11 Es  
1806 KQSD 91.9 SD Lowry, nx\$, 816  
SD Public Radio

1819 KVSC 88.1 MN St. Cloud, p\$ 579  
1832 KBBM 88.5 MN Minneapolis, j\$, 518  
Previous MS/tr

1846 KKCT 97.5 ND Bismarck, k\$, 897  
"Cat Country-97.5"

1852 KNSG 94.7 MN Springfield, k\$ 565  
(o/WFBQ 94.7 IN Indy) 50  
1900 KESD 88.3 SD Brookings, nx\$, 650  
Previous tr

12 tr  
0256 KEEZ 99.1 MN Mankato, r\$ 521  
0500 WJPC 106.7 KY Horse Cave- 210  
Glasgow, o\$

1600 KTPR 91.1 IA Fort Dodge, c\$ 483  
1617 KSDR 92.9 SD Watertown, wx\$ 680

- continued -



## 12 tr (July cont'd)

1655 KIOA 93.3 IA Des Moines, o\$  
 1713 KIAQ 96.9 IA Clarion, k\$, ads  
 1735\*KFMG 103.3 IA Pella-Ames-

Des Moines, ads\$  
 (o/WRZX 103.3 IN Indy)

1833 KYSM 103.5 MN Mankato, k\$

1903 KLSS 106.1 IA Mason City-  
 Clear Lake, rp\$

1906 KRES 104.7 MO Moberly, bb\$

1908 KCLD 104.7 MN St. Cloud,  
 gave calls twice

1917 KPBS 103.3 MO Kansas City, a\$

1928 KMZU 100.7 MO Carrollton, wx\$

1940 KGRG 92.9 MO Hannibal, r\$

1947 KPFT 94.1 KS Kansas City, k\$

1949 KUDL 98.1 KE Kansas City, mr\$

1959\*KKFI 90.1 MO Kansas City, t mono

(o/WFTI 90.1 IN Indy)

2002\*KLTH 99.7 MO Kansas City, r\$

(o/WSEW 99.7 IN Frankfort)

2008 KCCR 97.7 IA Grundy Center, r\$

2015\*KKMA 99.5 IA La Mars-

Sioux City, r\$  
 (o/WZPL 99.5 IN Greenfield-Indy)

2032 KXIA 101.1 IA Marshalltown, k\$

2043 KUNI 90.9 IA Cedar Falls, p\$

2049 KDFR 91.3 IA Des Moines, g\$

2055\*KKJY 92.5 IA Ankeny-Des Moines,

(o/WZVZ 92.5 IN Kokomo) k\$

2100 KDCR 88.5 IA Sioux Center, c\$

2103 KSJQ 92.7 MO Savannah-St. Joe, k\$

(address: Box 879 St. Joseph, MO 64502)

2114 KTUF 93.7 MO Kirkeville, r\$

2135 KCMO 94.9 MO Kansas City, o\$

2200 KPMC 106.5 MN Fairmont, rm\$

2206 KICD 107.7 IA Spencer, nx\$

2212\*KROC 106.9 MN Rochester, r\$

(o/WMRI 106.9 IN Marion)

2215 KUOO 103.9 IA Spirit Lake, r\$

2218 WLTE 102.9 MN Minneapolis, ad\$

2219 KDWB 101.3 MN Richfield, ad\$

2235 WCGN 107.5 WI Neillsville, r\$

2241 KOKZ 105.7 IA Waterloo, r\$

2247 KHKI 97.3 IA Des Moines, k\$

2253\*KTCZ 97.1 MN Minneapolis, ads\$

(o/WENS 97.1 IN Shelbyville-Indy)

2300 KXCV 90.5 MO Maryville, c\$

2300 KGGG 94.9 IA Des Moines, rp\$

2344\*WCOW 97.1 WI Sparta, k\$,

"Cow-97"

(o/WENS 97.1 IN Shelbyville-Indy)

2348 WJVL 99.9 WI Janesville, k\$

2352 WMT 96.5 IA Cedar Rapids, mr\$

2357 KHAK 98.1 IA Cedar Rapids, k\$

2358 KMSU 89.7 MN Mankato, c\$

## 13 tr

0003 KRUU 98.3 IA Boone-Ames-

Des Moines, k\$

0005 KAYL 101.5 IA Storm Lake, rp\$

0008 KLKK 103.1 IA Clear Lake, op\$

0020 KCTN 100.1 IA Garnaville, k\$

0032 KFTL 103.1 MN Preston, k\$

0033 KDAT 104.5 IA Cedar Rapids, mr\$

0047 KEGE 93.7 MN Minneapolis, p\$

0054 WKBH 105.5 WI Trempealeau-

La Crosse, rp\$

## 13 tr (July cont'd)

0100 WQCC 106.3 WI La Crosse, k\$ 392

0103 KQTB 98.3 MN Spring Grove, k\$ 397

0146\*KDAL 95.7 MN Duluth, PSA\$, 567

(425 W. Superior St. Duluth, MN 55802)

(o/WCGLR 95.7 OH Piqua) 39

0200 KRSU 91.3 MN Appleton-Dawson-642

Millbank SD, c\$

0224 KDJR 95.3 MN Willmar, k\$ 598

0500 WVWC 88.3 WI Menomonie, nx 465

0500 KNSR 89.1 MN Collegeville-

St. Cloud, nx\$ 589

0501 WCAL 89.3 MN Northfield, c\$ 494

0503\*KGRR 97.3 IA Epworth-

Debuque, r\$ 325

(o/WMEK 97.3 IN Fort Wayne) 62

0530 WVCX 98.9 WI Tomah, g\$ 371

0600 KBCN 104.3 AR Marshall, k\$ 492

## 14 tr

0010 KVWK 96.5 MN Rochester, k\$ 451

0135 WCGN 107.5 WI Neillsville, r\$ 403

0310 KYSM 103.5 MN Mankato, k\$ 521

0717 WKTT 98.1 WI Cleveland, k\$, wx 311

0800\*WAPL 105.7 WI Appleton-

Oshkosh-Green Bay, r\$ 322

(o/WTLC 105.7 IN Indy) 50

## 14 Es

1500 XHEO 92.9 YU Merida 1351

1500 XHNRI 93.7 YU Merida 1351

1500 XHGL 97.7 YU Merida (all 1351

1500 XHMT 98.5 YU Merida SS\$) 1351

1500 XHMRA 99.3 YU Merida 1351

## 17 Es

1032 KLUX 89.5 TX Robstown, b\$ 1109

1037 KPVU 91.3 TX Prairie View, g\$ 921

1047 KNBT 92.1 TX New Braunfels, \$1023

1058 KTSR 92.1 TX College 829

Station-Bryan, ads\$

1059 KTXK 92.1 TX Devine, ad\$ 1083

1059 KCLE 92.1 TX Glen Rose- 880

Stephensville-Granbury, ID

(WBST 92.1 IN Muncie, off air) 6

## 18 Es

1915 KVNE 89.5 TX Tyler, g\$ 773

1916 WBVM 90.5 FL Tampa, g\$ 862

1939 KSEC 93.3 CO Lamar, ad\$ 935

2023\*KTRS 95.5 WY Casper, wx\$ 1099

(o/WFMS 95.5 IN Indy) 50

2029 KCHM 96.9 NE Terrytown, g\$ 964

## 19 Es

1015 KTSU 90.9 TX Houston, PSA\$ 915

1100 KRIO 94.1 TX Floresville-SAT1054

1115 KWCB 89.7 TX Floresville, k 1054

1500 WMSV 91.1 MS Starkville, r\$, 501

(ID on car radio four blocks from home)

1715 KNNB 88.1 AZ Whiteriver, k\$, 1426

promo for Fort Apache pow wow, Safeway

ad - yes, ad! #63 on 88.1, best freq.

1749 KLUX 89.5 TX Robstown, b\$ 1109

1751 KSHU 90.5 TX Hunstville, \$ 869

1805 KPAC 88.3 TX SAT, nx, wx \$ 1050

1816\*KWES 93.5 NM Ruidoso, k\$ 1218

420 (o/WWVO 93.5 IN Hartford City) 18

350 1828\*KWFL 99.5 NM Roswell, g\$ 1159

(o/WZPL 99.5 IN Greenfield-Indy) 50

1840\*KSFY 100.5 NM Roswell, op\$ 1159

(o/WWKI 100.5 IN Kokomo) 45

- continued -

19 Es (July cont'd)

1844 KVLG 101.1 NM Hatch, o\$ 1317  
Las Cruces ads  
1850 KMOU 104.7 NM Roswell, k\$, ads 1159  
1853 KEND 106.5 NM Roswell, wx\$ 1159  
(Always heard as KEND-FM, not KURQ)  
1907 KSEL 95.3 NM Portales, k\$ 1072  
1910 KLBO 97.7 NM Belen, l\$, SS, 1234  
PSA for U of NM Santa Fe ads  
1927 KQIP 96.9 TX Odessa, o\$ 1110  
1938 KTXT 88.1 TX Lubbock, PSA\$ 1018  
1945 KKCL 98.1 TX Lorenzo- 999  
Lubbock, o\$, ads  
1950\*KRLE 99.5 TX Lubbock, r\$ 1018  
(o/WZPL 99.5 IN Greenfield-Indy)  
22 Es  
1921 CHOE 95.3 PQ Matane, mr\$ 1064  
25 Es  
1104 KZSP 95.3 TX S Padre Isl., k\$ 1196  
1800 KTXT 88.1 TX Lubbock, r\$ 1018  
28 tr  
2100\*WKTI 99.1 KY Stamping Ground- 135  
Georgetown-Lexington, gr\$  
(o/WHKO 99.1 OH Dayton) 67

29 tr  
0055 KQLA 103.5 KS Ogden, rp\$ 607  
0100 KANS 92.9 KS Osage City- 568  
Emporia, \$  
0108 KMAJ 107.7 KS Topeka, r\$ 554  
0145 KLZR 105.9 KS Lawrence, rp\$  
0200 KCFN 91.1 KS Wichita, g\$, 665  
ex-KSOF Previous Es  
0300 KJTY 88.1 KS Topeka, g\$ 554  
0301 KHCD 89.5 KS Salina-Manhattan, 659  
Previous MS, c\$  
0400 KANU 91.5 KS Lawrence, j\$ 531  
1025 KMML 96.9 TX Amarillo, r\$, 962  
Previous Es/MS  
1050 KTGL 92.9 NE Beatrice-Lincoln, 599  
o\$, ads, "The Eagle"

30 tr  
0550 KSYZ 107.7 NE Grand Island, r\$ 683  
0557 KTUF 93.7 MO Kirksville, r\$, 380  
"K-Tough"  
0600 KEEZ 99.1 MN Mankato, r\$ 521  
0600 KYSM 103.5 MN Mankato, k\$ 521  
31 tr  
2300 WASE 103.5 KY Radcliff-Elizabeth-164  
"Oldies-103.5" town-Fort Knox, o\$

August 1995

3 Es  
1220 KMML 96.9 TX Amarillo, k\$ 962  
1226 KOMX 100.3 TX Pampa, k\$, ads 909  
1237 KBUY 94.1 TX Amarillo, k\$ 962  
1248 KSEC 93.3 CO Lamar, ads\$ 935  
1256 KSKL 94.5 KS Scott City- 838  
Garden City, ads\$  
1303 KSPZ 92.9 CO CO Springs, o\$ 1040  
1305 KWB1 91.1 CO Morrison- 1047  
Denver, g\$  
1310 KXPK 96.5 CO Evergreen, r\$, 1052  
ads, "The Peak"  
1329\*KCGY 95.1 WY Laramie, wx\$ 1060  
(o/WAII 95.1 IN Fort Wayne) 62  
7 MS  
0009 KCCY 96.9 CO Pueblo 1038  
11 MS  
0259 KTSD 91.1 SD Reliance-Pierre 778  
( \_ \_ = new propagation)

17 tr (Aug. cont'd)

2300 WZOE 98.1 IL Princeton, o\$ 172  
ex-98.3  
21 MS  
0009 KSIG 102.1 LA Basile, 784  
Previous Es  
21 tr  
0110\*KQRC 98.9 KS Leavenworth, rp\$ 510  
(o/WBYR 98.9 OH Van Wert-Ft Wayne) 363  
0215 KYYS 102.1 MO Kansas City, rp\$ 495  
0859\*KDVV 100.3 KS Topeka, o\$, 554  
"W-100.3"  
(o/WCIN 100.3 IN Connorsville) 39  
1700\*KHKE 97.3 IA Des Moines, k\$ 441  
(o/WMEK 97.3 IN Fort Wayne) 62  
2300 WKLO 91.5 IN Westport-gr\$ 70  
(ads with 1-800 #) Seymour-Columbus  
23 tr  
0145 WLMD 104.7 IL Bushnell, k\$ 271  
24 tr  
0100 KUAR 89.1 AR Little Rock, c\$ 533  
0249 KFMZ 98.3 MO Columbia- 380  
Jefferson City, r\$  
0258 KBXR 106.1 MO Ashland, r\$, 379  
"106-1 BXR"  
0328 WVRY 105.1 TN Waverly, k\$ 312  
0504 KRES 104.7 MO Moberly, k\$ 378  
0515 KCFX 101.1 MO Harrisonville- 490  
Kansas City, o\$

26 tr  
0300\*WTRK 89.1 MI Bay City- 248  
"The Rock," gr\$ Saginaw-Midland  
(o/WBNI 89.1 IN Fort Wayne) 62  
0500 CFHI 103.1 ON St. Thomas, nx\$, 285  
"The Hawk" London mentioned

September 1995

4 GW (Labor Day)  
0700 WTUR 89.7 IN Upland, gr\$, 20  
(first day on air) s/on, 150 watts  
30 MS  
0350 UNID 89.7 ON ? ???  
October 1995

2 MS  
0800 WRR 101.1 TX Dallas-Ft Worth 815  
4 MS  
0422 WVRV 101.1 MO St. Louis 278  
2 MS

0143 KOVC? 101.1 ND Valley City 784  
?? WRR 101.1 TX Dallas-Ft Worth 815

21 MS  
0606 WNOE 101.1 LA New Orleans 755

22 MS  
0308 KLOL 101.1 TX Houston 915  
?? KLIR 101.1 NE Columbus 633

24 MS  
0159 WRR 101.1 TX Dallas-Ft Worth 815  
30 MS

?? KJMS 101.1 TN Memphis, 432  
Previous tr

November 1995

4 GW  
2302 WFRF 93.7 IN Walton, g\$, 58  
(//WFRN 104.7 IN Elkhart) testing

5 tr  
2259 WMKE 102.5 MI Hudson-Hillsdale-127  
Adrian-Quincy, r\$

6 MS  
0600 KZSD 102.5 SD Martin 869  
(WMDH 102.5 IN New Castle, off air)

Pat Dyer, W5IYX, 5315 Silvertip Dr., San Antonio, TX 78228-2744  
Eqipt.: Realistic TM-1001 tuner (two i.f. mod. w/150-kHz filters) into Allied 426, 52-ohm  
step-attenuator box used to reduce local intermod/overload when needed 6-3 Archer antenna  
at 20' with rotor. CST used - new underlined - all Es unless noted.

07-26-95: CONT. FROM LAST MONTH				1658 KJZ	104.1 MN	ST. LOUIS PARK (ID)	1125
0919 KBZT	94.9 CA	SAN DIEGO (area ad)	1124	1659 WAGE-	97.7 WI	RICE LAKE (ID)	1179
0919 IHRM	92.5 BCN	TIJUANA (area traffic report)	1111	1705 WCRG	95.7 IL	EFFINGHAM (ID)	876
0920 IETRA-	91.9 BCN	TIJUANA (*91-I*;Stern;ID)	1112	1712 KOKZ	105.7 IA	WATERLOO (ID)	963
0930 KJAK	92.7 TX	SLATON (tr;area ad)	340	1714 WLQI	97.7 TN	RENSSELAER (ID)	1021
07-31-95:				1728 KLZY	92.5 WY	POWELL (*2-92*)	1187
1040 IHSRO-	92.5 NL	MONTREY (tr;StereO Rey')	282	1731 KTAG	97.9 WY	CODY (local ad)	1187
1135 WAKA	92.3 FL	ORLANDO (*K-92*)	1056	1759 KZIG-	94.7 CA	RIDGECREST (ID;AM 1360)	1105
1202 KUNV	91.5 NV	LAS VEGAS (local "ad")	1052	1901 WIRA	92.5 NC	EDEN (aea ID)	1179
1226 KEIV	93.1 NV	LAS VEGAS (local ad; *Y-93*)	1077	08-03-95:			
1231 KILA	98.5 NV	LAS VEGAS (area wa)	1052	0925 WAIR	92.5 MI	ATLANTA (area ID)	1323
1232 KMMR	95.5 MV	HENDERSON (ID)	1052	0931 WBCM	93.5 MI	BOYNE CITY (area ad)	1309
1233 KJUL	104.3 NV	NORTH LAS VEGAS (area ad)	1077	0933 WCMW	103.9 MI	HARBOR SPRINGS (cx)	1329
1238 KLUC	98.5 NV	LAS VEGAS (ID)	1052	0938 WGFH	95.5 MT	CHEBOYGAN (area ads)	1342
1239 KIAZ	93.5 AZ	PAGE (area psa's)	895	0940 WKHQ-	105.9 MI	CHARLEVOIX (*106-KHQ*)	1309
1240 KSSD	92.5 UT	CEDAR CITY (ID)	1018	0942 WNIZ	96.9 IL	ZION (cx;ID)	1078
1250 KMGW	93.9 AZ	FLAGSTAFF (*The Mountain Rock')	843	0944 WMIL	106.1 WI	WAUKESHA (area ad)	1110
1250 KSME	106.5 NV	LAS VEGAS (local ad)	1052	0946 WJSZ	92.5 MI	ASHLEY (ID)	1227
1301 WPPT	92.5 OH	CINCINNATI (ID)	1039	0948 WZTR	95.7 MI	MILWAUKEE (ID)	1110
1302 WFCJ	93.7 OH	MIAMISBURG (rel.;ID)	1071	0959 KQRS	92.5 MN	GOLDEN VALLEY (ID)	1108
1304 WMCN	104.3 MI	DETROIT (ID)	1242	1001 WRRK	96.9 PA	BRADDOCK (ID)	1293
1305 WZBD	92.7 IN	BERNE (ID)	1085	1005 WZRK	93.5 MI	HANDCOCK (area ad)	1329
1306 WJJI	105.7 OH	CLEVELAND (ID)	1253	1008 WOOD-	105.7 MI	GRAND RAPIDS (*Easy 105.7*)	1165
1307 WQAL	104.1 OH	CLEVELAND (*Q-104*)	1251	1010 WLHT	95.7 MI	GRAND RAPIDS (ID)	1176
1309 WCLR	95.7 OH	PIQUA (*Cool 95')	1095	1011 WBGV	92.5 MI	MARLETTE (are ad)	1285
1311 WNCI	97.9 OH	COLUMBUS (ID)	1148	1013 WLAV	96.9 MI	GRAND RAPIDS (*97-LAV')	1182
1314 WLCB-	104.1 IN	MUNCIE (ID)	1049	1020 WTBX	93.9 MN	HIBBING (ID)	1271
1321 WVKX	92.5 OH	TOLEDO (*Kiss FM')	1181	1025 KDAL-	95.7 MN	DULUTH (local ad)	1244
1452 WHTX-	95.7 FL	CLEARWATER (tfc rpt; *Mix-96')	972	1026 WKLY-	96.5 MN	CLOQUET (local ad)	1238
1500 WYFB	98.5 FL	GAINESVILLE (ID)	908	1034 W0ZZ	93.5 MT	NEW LONDON (area ads)	1176
1502 WPAP	92.5 FL	PANAMA CITY (ID)	802	1035 WEVE-	97.9 MN	EVELETH (ID)	1296
1505 WJZD	94.5 MS	LONG BEACH (*JZ-94')	570	1040 WEGZ	105.9 WI	WASHBURN (local ad)	1257
1515 WJFY	95.3 GA	NASHVILLE (ID)	914	1047 WNNK	96.5 MN	ROCHESTER (ID)	1058
1518 WUSD	97.9 MS	WIGGINS (*US-98';area ad)	573	1102 WJKL	94.3 IL	ELGIN (*The Fox')	1039
1522 WMBZ	97.7 GA	SPARTA (area ad)	951	1107 KKWQ	92.5 MN	WARROAD (area ads; *KQ-92')	1352
1524 WTCQ	97.7 GA	VADALIA (local ad; *Power Q')	975	08-04-95:			
1526 WVDH-	92.5 GA	HAZZLEHURST (local ad)	964	1404 KNCN	92.5 MT	MILES CITY (ID)	1229
1527 WQSY	103.9 GA	MAWKINSVILLE (local ad)	917	08-05-95:			
1529 WTB0	97.7 FL	BONIFAY (*BB)	779	2018 KAML-	96.9 MY	GILLETTE (ID)	1090
1532 WKZJ	95.7 GA	GREENVILLE (*2-96')	848	2025 KIQK	104.1 SD	RAPID CITY (area ad; *Kick')	1037
{07-31-95:}				2031 KKOT	93.5 NE	COLUMBUS (*Coyote 93')	830
1535 WBYZ	94.5 GA	BAXLEY (local ad)	971	2034 KBMJ	95.1 MT	HARDIN (area ad)	1236
1535 WZNY	105.7 GA	AUGUSTA (local ad)	1022	2044 KZDG	92.5 CO	GREELEY (*2-92.5';area ad)	815
1538 WLWI	92.3 AL	MONTGOMERY (ID)	761	2048 KRCS	93.1 SD	STURGIS (ID)	1061
1539 WRIX	106.1 GA	SYLVESTER (area ad)	804	2051 KAAQ	105.9 NE	ALLIANCE (area ads; *106Double Q')	890
1544 WQBZ	106.3 GA	FORT VALLEY (*Q-106')	896	2059 FLMP	97.9 SD	RAPID CITY (rel.;ID)	1038
1545 WVFJ	93.3 GA	MANCHESTER (*Joy-FM')	856	2109 KLZY	92.5 WY	POWELL (area ad; *Z-92')	1187
1545 WPCW	94.9 GA	ATLANTA (ID)	808	2128 KQAA	94.9 SD	ABERDEEN (*Cool 95')	1008
1552 WHLO	104.9 FL	HAVANA (area ad)	844	08-08-95:			
1553 WRJH	97.7 MS	BRANDON (area pol. ad)	546	1528 WU06	90.5 GA	ATHENS (6A;phone pfx)	945
1554 WTKQ	94.5 AL	BIRMINGHAM (local ad)	747	1529 WMHK	89.7 SC	COLUMBIA (ID)	1074
1558 WNZK	104.1 WI	MERRILL (area ID; *2-104')	1102	1536 WIRA	94.5 NC	EDEN (area ID)	1179
1610 WHTD	93.7 MI	THREE LAKES (k; *HTD')	1235	1537 WTOR	96.9 NC	STATESVILLE (ID)	1061
1620 CMXX	94.9 MN	COLD SPRING (area ad)	1102	1538 WKRR	92.3 NC	ASHEBORO (*Rock 92')	1172
1631 KTMK	92.7 IA	OTTUMWA (local ad)	868	1543 WFMX	105.7 NC	STATESVILLE (area ad)	1126
1632 WMJQ	92.3 MI	CLINTONVILLE (area ad)	1173	1545 WFOO	93.3 NC	FOREST CITY (local ad)	1032
1634 W0ZZ	93.5 WI	NEW LONDON (ID)	1176	1551 WSPA-	98.9 SC	SPARTANBURG (area traffic rpt)	1027
1637 WNIZ	96.9 IL	ZION (ID;cx)	1078	(08-08-95:)			
1640 WJZQ-	92.5 MI	TOMAHAWK (local ad)	1206	1552 W0ZJ	104.1 GA	CLAYTON (ID)	962
1642 WRLS	92.3 MI	HAYWARD (ID)	1204	1557 WESC-	92.5 SC	GREENVILLE (ID)	1005
1643 WZTR	95.7 MI	MILWAUKEE (area ad)	1110	1559 WFBC-	93.7 SC	GREENVILLE (area ads)	1005
1646 KQWC-	95.7 IA	WEBSTER CITY (ID)	935	1600 WMUW	94.5 SC	GREENVILLE (ID)	1016
1652 KWNK	96.5 MN	ROCHESTER (local ad)	1050	1600 WPEG	97.9 NC	CONCORD (*Power 98')	1122
1652 KJJY	92.5 IA	ANKENY (ID)	884	CONT...			



# :SOUTHERN FM DX:

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74075

MARCH 1996

DEADLINE: 14th

SOUTHERN FM DX IS FOR REPORTERS FROM: AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, & WV. Happy DXing!!

## DYER CONTINUES UPDATING WHILE SMITH CONTINUES WITH HIS COMMENTS.

Dennis Park Smith comments, cont..

"Then, there is the controversy about religious broadcasting, which you and some DXers have shared opinions. Just so you know where I come from, I consider myself a 'religious' person, though not in the 'holy roller' category. I do like to play in a church orchestra but do not try to go to church every week. I wonder, for example, if, on TV, TEN might be better off with fewer relatively higher-power LPTVs and not so many lower power ones that clutter up the band, and therefore fewer xmtrs to maintain. I guess genuine high-power outlets are limited by allocations. As to different opinionated speakers stating their views, especially politics as based on their religious perspectives and not seeming to talk much about religion, it may well be that most opinions and news versions--including nonreligious programs--are based on one's religious convictions, whatever they are, whether on apparently oddball programs or publications or in the mass media. Of course, slander and evil threats are to be avoided. But otherwise, the bottom line is that one can be allowed to state one's thoughts, and this is great, when we have freedom and opportunity to hear many different sides on a subject. Sometimes, a thought viewed as crackpot may in future years turn out to be quite sensible. I may not always agree with some opinions stated in Southern FM DX, but I do like to read different feelings about DXing, broadcasting trends, and whatever is brought up, whether directly about DX things or just slightly related. It is all of interest, and different ideas expressed in Southern FM DX make it all the more interesting to read. Back in the 60s and into the 70s, when I edited Western TV DX I was once accused through a letter to headquarters of including too much "non-DX." When I countered with a comment in the column that everything I typed was at least somewhat related and definitely of interest, I was supported by those who reported to Western TV-DX. And, in a poll taken of WTFDA members by headquarters, DXers tended to favor whichever regional DX column where they lived, anyway. Beyond that, the poll did indicate other good columns and special articles that were particularly well liked. So, keep up all of the good work."

Thanks for your comments, Dennis. Speaking of slander, I think it's awful how minister John Hagee slanders America on a near daily basis on TEN, by making such statements as "Today's America is Sodom and Gomorrah reborned", and "I used to say America was going to the dogs but I had to stop out of respect to the dogs." I think such statements would be highly offensive to most good, hard-working people that are surely in the majority of America. And if ran TEN I would be highly embarrassed about having Jerry Falwell listed on the schedule. Well, I had best change the subject now or lest be accused of judging the religious right, if it's not too late.

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ON THE RECENTLY PASSED TELCOMM BILL: "There are virtually no "public airwaves" and the new communications bill...will seek to eliminate by money, power and control, local programming and allow the vertical and horizontal joint ventures and conglomerates to rule all airwaves, programming, production and distribution of information... This is censorship by controlling all the avenues from creation to distribution." Chris Lunn, Victory Review, October 1995. This brings to mind more operations becoming set up like WAFR's growing national translator network, now at station 113. The FCC recently granted WAFR construction rights over a public radio interest to put in a high powered station in southern MS. WAFR once had some resistance from the FCC over its ambitious plans for a translator network until the station got one of its U.S. senators to step in for it. Turning back to the telcomm bill recently passed, it contains a provision allowing one party to, if in the top 50 market, the right to own up to 49 percent of the radio stations in a single market. So in the future urban FM station owners will be more often competing with themselves rather than with each other. Such a situation appears to abolish the part of the Communications Act of 1934 guaranteeing American to be sole owner of the airwaves and mandating that those airwaves always be operated in the public interest. Now, in my opinion, in this day and age "big corporate interest" has replaced the public interest. Presently, two stations can be owned in the same urban market. For examples of what happens, the dual ownership of high powered FM stations in Oklahoma City and Tulsa means four country music stations. I like country music, but there is such a thing as more than enough on the radio now that such stars as Garth Brooks, Clint Black and Alan Jackson have passed their primes, if not about. But the whole state of radio is in a state of affairs. Issues are never debated like they are on CNN's crossfire. Instead, there is only one side of an issue discussed, usually conservative. As we quickly approach the year 2000, it will be interesting to see if the American people  
38 going to accept this situation laying down like everything is beautifully just. 2B

METEOR SCATTER LOGGINGS:

06/17 WHYI "...Toyota...headquarters...  
than anyone in South Florida..."

07/04 WQCS "...high temperature will be  
around 90 degrees. This is Classic-89  
WQCS..."

08/07 KCCY "...KCCY 96.9..."

08/11 KTSD "...South Dakota Public Radio  
...unique programing from across South  
Dakota..."

09/30 unID "...Western Ontario on low  
powered AM transmitters..."

10/02 WRR "...WRR Dallas-Fort Worth.  
It's eight o'clock..."

10/04 WVRV "...RV - FM-101.1..."

10/09 KOVC? "...right over the phone.  
We're a division of Stutsman County  
State Bank, Jamestown, North Dakota..."

10/09 WRR "...RR..."

10/21 WNOE "...mild outlook for to-  
morrow, the 70's for the high. 6:06 -  
mostly cloudy and 70. I'm Ray Romero  
and you're listening to crazy Eddie  
Edwards and the breakfast plate on  
your station for today's hot new  
country, 101.1 WNOE..."

10/22 KLOL "...101-KLOL..."

KLIR "...KLIR...Clear-101...  
You can call...This is KLIR..."

10/24 WRR "...R Dallas..."

10/30 KJMS "...101-Jams..."

11/06 KZSD "...Vermillion. Public  
Radio in Southwestern South Dakota.  
This is KZ..."

(KZSD is my 185th MS logging)

An article in the Muncie Star in late August stated that WTUR 89.7 in Upland, IN at Taylor University would be signing on the air September 4, Labor Day, with 150 watts. I taped their first s/on and off and 150 watts was given, not 50 watts as stated in the VUD and FMedia! The signal of WTUR is fairly good here at 20 miles on a car radio.

An article from the Ball State University Relations states as follows:

WBST-FM, Ball State University's public radio station, will add three repeater stations to extend its broadcast range throughout east central Indiana.

A \$258,630 grant from the United States Department of Commerce allows the station to add broadcast stations in Jay, Henry and Grant counties. Plans call for the stations to be operational by February 1997.

Over the next 18 months, WBST will be procuring equipment and constructing three transmitter sites at locations separated by almost 100 miles, said Stewart Vanderwilt, WBST general manager. This is the most significant undertaking by WBST since 1978 when the station went from a 10-watt occasional service to a professionally staffed, 3,000-watt National Public Radio member station.

The listening area will extend WBST's signal from Wabash to Richmond. Most of Blackford, Grant, Henry, Jay, Randolph and Wayne counties will receive the expanded signal.

No call letters have been assigned to the new stations. In Marion, the broadcast frequency will be 90.9; in New Castle, 91.1; and in Portland, 91.7.

Capital campaign drives are being launched in each of the new service areas to help raise \$75,000 of local matching funds required to receive the grant from the federal government, Vanderwilt said.

We plan to play a role in each of the communities where we will be adding new stations, he said. We plan to hire part-time reporters to help us with news coverage in those areas as well as maintaining our current coverage.

Vanderwilt said additional repeater stations are being considered to further expand the station's coverage. WBST is also developing programming and operational partnerships with other public broadcasting stations.

## SOUTHERN FM DX

## Dyer, cont.

MARCH 1996

08-18-95:				
1241 WPMW	92.7	WV	MULLENS (area ad)	1134
08-19-95:				
1059 KODH	97.9	TX	ODESSA (tr;ID)	267
10-06-95:				
1845 76--	92.3	Gu	GUATEMALA CITY ("R.Universidad")	1120
1900 K20ACE	88.7	AZ	CLIFTON (WJSO ID)	675
10-25-95:				
0917 KMKK	93.9	SD	RAPID CITY (ID)	1038
0923 KCMH	92.5	MT	MILES CITY (ID)	1229
0943 KROE-	94.9	WY	SHERIDAN (ID)	1151
0949 KUNC	91.5	CO	BREELEY (ID)	847
0950 KTRS	95.5	WY	CASPER (ID)	1011
0951 KMGW	94.5	WY	CASPER (local ad;"Magic 94")	1011
0955 KLZY	92.5	WY	POMELL (area ad)	1187
0958 KHJH	95.7	CO	DENVER (state ID)	802
1021 KZHT	94.9	UT	PROVO ("Hot 94.9")	1059
1024 KUBL	93.5	UT	SALT LAKE CITY (area ad)	1087
1143 KSSD	92.5	UT	CEDAR CITY (ID)	1018
1284 KZEZ	93.5	UT	ST. GEORGE ("Sunny 93.5")	1010
1287 KXAZ	93.5	AZ	PAGE (local ad;"Crystal Radio")	895
11-27-95:				
0800 KRTU-s	92.7	TX	SAN ANTONIO (tr;spurgone later)	7
12-16-95:				
1619 KMKX	94.9	MN	COLD SPRING (area ad)	1102
1615 KUOD	103.9	IA	SPIRIT LAKE (ID)	981
1616 KMIT	105.9	SD	MITCHELL (ID)	982
1618 KSTP-	94.5	MN	ST. PAUL (state ID)	1116
1619 KMFY	96.9	MN	GRAND RAPIDS (local ad)	1258
1625 KQAA	94.9	SD	ABERDEEN (local ad)	1000
1627 KQRN-	107.3	SD	MITCHELL (local ad)	983
1629 KYNV	95.5	ND	JAMESTOWN (area ad)	1200
1634 KDLO-	96.9	SD	WATERTOWN (local ad)	1071
1636 KODY	94.5	ND	BISMARCK (k;"KQ-94";area ad)	1211
1640 KJKE	105.1	SD	HURON ("Z-105";local ad)	1028
1657 KQLI-	106.1	ND	LISBON (local ad)	1172
1659 KFMW-	97.9	ND	FARGO (rel;ID)	1199
1807 KRNE-	91.5	NE	MERRIMAN (ID)	928
12-22-95:				
1858 XHRK	95.7	NL	MONTREY (tr;ID)	201
12-25-95:				
1042 HR--	97.7	Hon	TEGUCIGALPA (town mention)	1250
1200 MNHW	92.5	NC	NAGS HEAD (ID)	1402
1204 WHLZ	92.5	SC	MANNING ("Wheels")	1128
1213 WKBL-	93.5	TN	COVINGTON (ID)	670
1221 WKQL	96.9	FL	JACKSONVILLE ("Cool FM")	1019
1223 WPAP	92.5	FL	PANAMA CITY (ID)	802
1236 WBNV	93.5	OH	BARNESVILLE (ID)	1217
1244 WWSW	94.5	PA	PITTSBURGH ("SW-S")	1292
1245 WRRK	96.9	PA	BRADDOCK (ID)	1293
1248 WAMO	105.9	PA	PITTSBURGH (area ad)	1294
1251 WAKA	92.3	FL	ORLANDO (local ad;"K-92")	1056
1258 WJMK	96.9	FL	FORT MYERS (ID)	1039
1301 WMOO	98.9	FL	ORLANDO (ID)	1040
1332 WRVQ	94.5	VA	RICHMOND ("Q-94")	1316
1333 WFLD	95.7	VA	FARMVILLE (ID)	1280
1528 XHH-	90.7	SD	HERMOSILLO (town ID)	735
1621 XHRM	92.5	BCN	TIJUANA ("The Flash")	1111
1714 KUNV	91.5	NV	LAS VEGAS (local "ad")	1052
1717 KSSD	92.5	UT	CEDAR CITY (local ad)	1018
12-26-95:				
1305 WPPY	92.5	OH	CINCINNATI (local ad)	1039
1117 WKUD	96.5	OH	AKRON (ID)	1252
10K1-	93.9	SC	ST. MATTHEWS ("Quickie")	1083

1130 KJYE	92.3	CO	GRAND JUNCTION (area ads)	873
1136 KQIX	93.1	CO	GRAND JUNCTION (local ad)	874
1139 KISZ	97.9	CO	CORTEZ (area ad)	773
1142 KIQZ	92.7	WY	RAWLINS (local ad)	976
1144 KRAI	93.7	CO	CRAIG (ID)	919
1148 KKM6	98.9	CO	PUEBLO (area ad)	706
1149 KKKL-	105.1	CO	DENVER ("Cool 105.1")	794
1151 KZKS	105.3	CO	RIFLE ("Kiss Country")	876
1156 KQSW	96.5	WY	ROCK SPRINGS ("0-96";k)	1014
1159 KEKB	99.1	CO	FRUITA (ID)	878
1202 KURA	105.7	CO	OURAY (ID)	706
1203 KUTQ	99.5	UT	BOUNTIFUL ("0-99";area ads)	1003
1216 KUMT	105.7	UT	CENTERVILLE (ID)	1007
1218 KDAG	96.9	NM	FARMINGTON ("Big Dog")	745
1222 KXIA	99.7	CO	DURANGO (local ad)	759
1225 KLSK	104.1	NM	SANTA FE (ID)	634
1227 KUBL	93.3	UT	SALT LAKE CITY ("K-Bull")	1007
1242 KPCL	95.7	NM	FARMINGTON (area towns)	747
1246 KSOP-	104.3	UT	SALT LAKE CITY (ID)	1007
1249 KBKK	106.3	UT	SPANISH FORK ("Pure Country")	1059
1249 KMYK-	94.9	NM	AZTEC (area ad)	747
1258 KXAZ	93.5	AZ	PAGE (local psa)	895
1254 KRSP	103.5	UT	SALT LAKE CITY ("Arrow")	1007
1257 KZHT	94.9	UT	PROVO ("Hot 94.9")	1059
1259 KZRD	105.1	NM	SANTA FE ("Z-Rock";state ID)	634
1301 KMXU	105.1	UT	MANTI (state wx;ID)	1011
1306 KYKN-	103.9	UT	NEPHI (ID)	1030
1312 KBZN	97.9	UT	OGDEN ("The Breeze")	1133
1321 KTRA	102.1	NM	FARMINGTON (ID)	738
1322 KRKY	105.9	AZ	KINGMAN ("Crazy")	996
1358 KKMZ	93.7	UT	RICHFIELD (area ad)	1000
1434 KKMV	92.5	ID	RUPERT ("Cat Country")	1235
1941 KLXK	93.5	CA	ROSBOND (area ad)	1199
1944 KKG0-	105.1	CA	LOS ANGELES (cx)	1186
1945 KKLX	97.9	CA	LONG BEACH (Sp.;town ID)	1186
1949 KCLB-	93.7	CA	COACHELLA (area ads)	1077
1952 KLOS	95.5	CA	LOS ANGELES (local ad)	1186
1955 KCHT	96.9	AZ	PHOENIX ("K-Hits")	836
1955 XHRM	92.5	BCN	TIJUANA (area ad)	1111
1956 KUPR	95.7	CA	CARLSBAD (ID)	1126
1958 XHBA	104.1	BCN	MEXICALI ("R.Universidad")	1019
2002 X----	105.9	BCN	MEXICALI (town ID)	1021
2001 XHITZ	98.3	BCN	TIJUANA (area ad)	1112
2014 KXYX	96.5	CA	SAN DIEGO ("Kixy";tfc rpt)	1124
2017 KBZT	94.9	CA	SAN DIEGO ("K-Best";tfc rpt)	1124
2021 XETRA-	91.1	BCN	TIJUANA (area ads)	1112
2023 KIFM	CA	SAN DIEGO (area ad)	1124	
2027 KXYY-	98.5	CA	CATHEDRAL CITY (area ad)	1009
2028 KFMB-	100.7	CA	SAN DIEGO (tfc rpt)	1124
2028 KGB	101.5	CA	SAN DIEGO (area code)	1114
2042 KFOI	93.5	CA	REDONDO BEACH (Korean)	1197
2149 KWNR	95.5	NV	HENDERSON (local ad)	1052
12-27-95:				
1023 WEDW	92.5	FL	KEY WEST ("Wow")	1099
1028 KHMC	95.9	TX	BOLIAO (tr;ID)	94
1028 WKRY	93.5	FL	KEY WEST ("Key 93")	1007
1037 WZZR	92.7	FL	STUART ("ZZR")	1120
1051 WARD	94.5	FL	NAPLES ("Arrow 94.5")	1051
1053 WMO5-	93.5	FL	NAPLES (ID)	1054
1057 WJBT	92.7	FL	GREEN COVE SPRINGS (ID)	1015
1100 WKGL	96.9	FL	JACKSONVILLE ("Cool FM")	1019
1104 WR00	107.3	FL	JACKSONVILLE ("Rooster Country")	1019
1108 WPAP	92.5	FL	PANAMA CITY (local ad)	802
1110 WHTO	93.5	FL	PORT ST. JOE ("Bubba Radio")	799
1123 WMTX	95.7	FL	CLEARWATER ("Mix 96";area ad)	972
1124 WAKA	92.3	FL	ORLANDO (k;k-92;wx)	1056
1129 WFLZ	93.3	FL	TAMPA ("FLZ")	994
1133 WKXB	103.5	FL	CAPE CORAL (sw FL ID)	1027
1135 WYUJ	92.9	FL	SAFETY HARBOR ("U-92";area ads)	961
1137 KSTP-	94.5	MN	ST. PAUL (town ID)	1116



137 WCFB	94.5	FL	DAYTONA BEACH ("Star 94.5")	1032
142 WITB	97.9	FL	CLEARWATER ("98-Rock")	968
144 WWRM	94.9	FL	TAMPA ("Wara")	996
145 WCOF	107.3	FL	ST. PETERSBURG ("Coast 107.3")	973
148 WUSA-	100.7	FL	TAMPA (area ad)	968
151 WOLZ	95.3	FL	FORT MYERS (sw FL ID)	1021
154 KSCR-	93.5	MM	BENSON (town ID)	1106
156 WEEJ	100.1	FL	PORT CHARLOTTE ("gold")	1014
201 MDOU	103.3	FL	BRADENTON (ID)	979
315 KBZN	97.9	UT	OGDEN ("The Breeze")	1133
317 KUBL	93.3	UT	SALT LAKE CITY ("K-Bull")	1087
320 KKMV	92.5	ID	RUPERT ("The Cat")	1235
324 KZHT	94.9	UT	PROVO ("Hot 94.9")	1059
332 KCIR	90.7	ID	TWIN FALLS (ID)	1218
337 KJYE	92.3	CO	GRAND JUNCTION ("K-Joy")	873
933 KODM	97.9	TX	ODESSA (tr; ID)	267
1004 WJQJ-	92.5	WI	TOMAHAWK (ID)	1206
1015 WZTR	95.7	WI	MILWAUKEE (ID)	1110
<u>12-27-95:</u>				
2016 WKTI	94.5	WI	MILWAUKEE (ID)	1110
2022 WBM1	92.5	WI	WEST BEND (local ad)	1118
2036 WZEE	104.1	WI	MADISON (local ad)	1064
2036 WAPL	105.7	WI	APPLETON (ID)	1180
2039 WILP	96.9	IL	MOLINE (local ad)	939
2041 WKLH	96.5	WI	MILWAUKEE (ID)	1110
2042 WYTE	96.7	WI	WHITING ("White 96")	1149

2042 WPKR	98.9	IL	ROCK ISLAND (area ad)	939
2047 WIFC	95.5	WI	MAUSAU (ID)	1171
2048 WGLR-	97.7	WI	LANCASTER (ID)	1021
2050 WMT-	96.5	IA	CEDAR RAPIDS (phone pfx)	949
2100 WOLX	94.9	WI	BARABOO (ID)	1082
2101 WOZZ	93.5	WI	NEW LONDON (ID)	1176
2102 KCRH	97.7	IA	GRUNDY CENTER (ID)	944
2108 WUSW	96.9	WI	OSHKOSH ("US-96")	1150
2122 KWNK	96.5	MM	ROCHESTER (local ad)	1058
2127 KMXD	106.3	IA	ANKNEY (ID)	888
2128 KMJZ	104.1	MM	ST. LOUIS PARK (ID)	1125
2132 KLSS	106.1	IA	MASON CITY (local ad)	991
2135 KMXK	94.9	MM	COLD SPRINGS (area ad)	1102
2136 KXLP	93.1	MM	NEW ULM ("KXIL")	1040
2140 WQPM	106.1	MM	PRINCETON ("Q-106"; area ad)	1130
2145 KKDK	95.7	MM	MORRIS (local ad)	1123
<u>12-28-95:</u>				
1123 IHNZ	92.5	PU	PUEBLA (town ID)	715
1138 ITLC	10x.x	MC	TOLUCA (ILS, Morse ID)	700
1140 IHMS	96.9	GR	ACAPULCO (town ID)	870
1146 IHRJ	92.5	MC	TOLUCA (town ID)	700
1227 XERC-	97.7	DF	MEXICO CITY (ID)	690
1246 XEDY	89.7	DF	MEXICO CITY (town ID)	690
1305 XETRA-	91.1	BCN	TIJUANA ("91-X")	1112
1305 KBZT	94.9	CA	SAN DIEGO ("K-Best")	1124
1310 KUPR	95.7	CA	CARLSBAD (ID)	1126
1311 XHITZ	90.3	BCN	TIJUANA (area ad)	1112
1319 XHRM	92.5	BCN	TIJUANA (area ad)	1111

This was one of those years that July provided more FM Es than June. The big days were Jul 1 and 19 - each with well over 100 loggings. This does NOT reflect the re-logs of same stations that were common sometimes 6, 8, or even 10 hours apart during the same calendar day.

A huge amount of Es here Dec 25-28. The 99.5 logging on Dec 26 was due to the local being off for almost an hour - my first catch on that freq since May 1975! Local 105.3 was off for a shorter period, permitting the Es D on that spot.

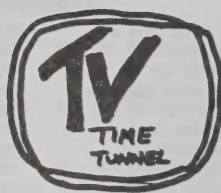
lots of Mexico UNIDs on Dec 28 - we all need better info on non-border area stations. I haven't been able to find an exact freq for the ILS that day.

# NEXT MONTH:

IT'S SPRING! STOP  
SHOVELING THE  
ROOF AND FIX THAT  
ANTENNA.

QSL'S! VERIFY YOUR  
DX CATCHES.





Here's a reprint from "RADIO INK" magazine that does a nice job of covering what is likely the most famous audio signature in the world...the NBC 'chimes'. Although regular use of the chimes ended in 1971, their memory lives on today...the intro for "NBC Radio News On The Hour" is based on the 1929 three note logo. For many years, "Three chimes mean good times" was the byline of almost all NBC radio and television programs.

## The NBC Chimes

### Where Did They Come From?

by Bill Harris

I am sure that you have heard the famous sound trademark of NBC, the three chimes. The announcer would say, "This is the National Broadcasting Company," and then you would hear the three-note chime. I became interested in learning more about the chimes when I discovered a book in the library titled, "The Fourth Chime" by NBC. I had never heard of a fourth chime so my curiosity was aroused. The book, however, did not tell much about the fourth chime, other than it was used in addition to the other three notes to announce special news bulletins. After writing several letters, and making several phone calls and inquiries, I was able to gather the information I was seeking. I hope you find the history of the chimes as interesting as I did.

#### The NBC Chimes

America's first nationwide network, the National Broadcasting Company, began broadcasting on November 15, 1926, with WEAJ in New York as the key station, and 19 affiliate stations. The

corporation was jointly owned by RCA, General Electric, and Westinghouse. There was some confusion among the stations at the conclusion of network programs on the hour and half-hour and some type of coordinating signal was needed to alert the network stations for station break purposes.

Three men at NBC were appointed the task of developing such a signal for station identification on the hour and half-hour: Earnest La Prada, an orchestra leader, Phillips Carlin, an NBC announcer, and Oscar Hanson, who later became an NBC vice president in charge of engineering. These three experimented on the air with a complicated seven-note arrangement (G-C-F-E-G-C-E) in 1927 and 1928. The announcers found that the seven-note chimes were too complicated to remember to strike consistently in the correct order so the number of notes was reduced to four (G-C-F-E) and that was reduced to three. On November 29, 1929, the three notes (G-C-E) that became the trademark of NBC were broadcast. The chimes were struck at 29:30 and 59:30 past the hour.

The chimes consisted of three-note bars finely tuned to exact pitch, mounted on a wood sound box with leather bumpers padding the ends. The bars were mounted in striking order and the box had an aluminum handle on the side so the announcer could hold it up to the microphone while striking the chimes.

Beginning in 1932 the chimes were generated automatically by means of finely tuned metal reeds that were plucked by metal fingers mounted on a revolving drum, much like a music box operates. The reeds formed part of a capacitor in an oscillator circuit. The

notes were amplified and then sent out to be broadcast. Now all the announcer had to do to sound the chimes was push a button.

The fourth chime was initiated to announce special news bulletins. It was first used to announce the crash of the Hindenburg at Lakehurst, N.J., in 1937, and used again during the Munich crisis in 1938, with the attack on Pearl Harbor in 1941, and during the D-Day invasion. The fourth chime was a second sounding of the note "C."

The chimes announced the beginning of NBC television broadcasting on April 1, 1941, with the sign-on of WNBT-TV in NYC.

NBC registered the chimes with the U.S. Patent Office in 1950, the first audible trademark to be registered. Below is the description as filed with the Patent Office.

Serial Number: 72-349496

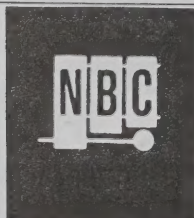
Type of Mark: Service Mark

Description of Mark: The mark comprises a sequence of chime-like musical notes which are in the key of C and sound the notes G, E, C, the "G" being the one just below middle C, the "E" the one just above middle C and the "C" being middle C, thereby to identify applicant's broadcasting service.

Owner Name: (registrant) National Broadcasting Company Inc.

Owner Address: 30 Rockefeller Plaza, New York, NY

The chimes were discontinued on both Radio and television on September 12, 1971, but in celebration of NBC's 50th anniversary, were once again used following all broadcasts in November 1976.





# A VIEW FROM ABOVE

## TV-DX'ING IN THE EXPANDING VIDEO UNIVERSE

by STEVEN SPRACHMAN

Whenever I show off my satellite system, I always get the same question: "How do I deal with so many channels?" My answer: "there aren't enough channels!" Right now there are about 130 national cable channels of which about 90 are available via the Big Dish. The rest are digitally compressed and some of these are available via DSS. With additional satellites planned for launch, and the increasing use of digital compression, there will be plenty of room for new channels.

About 100 new channels have been proposed. These new channels include several movie channels, 3 channels featuring automobiles, environmental channels "Planet Central" and the "Ecology Channel," and several health channels. The Arts will be represented by "Ovation" and the "Horizon Channel." The Discovery Channel plans to introduce four new channels: "Living," "Animal Planet," "Time Traveler," and "Quark." There are plans for "Parent Television," "The Military Channel," and the "Popcorn Channel" (movie reviews and listings).

With all these new channels, no one will ask the viewers what channels or subject areas they are interested in. So, I've decided to give some of my own suggestions for new channels that I'd like to see.

I'd like to see more international channels:

"The International News Channel:" would feature half hour newscasts in English from different countries around the world. The newscasts would be produced by that country and would concentrate on local news in that country.

"BBC WORLD (Service) TV," an actual television service seen over much of the rest of the world, but not in North America. BBC WORLD features news and documentaries from Great Britain.

"BBC PRIME," another actual channel. This is the entertainment side of BBC WORLD.

"UK GOLD," a British channel that operates off the ASTRA satellite over Europe featuring the golden oldies of British TV.

"Worldwide Television Network" would feature entertainment programs from other countries that are either dubbed or sub-titled into English.

Shortwave TV: On Satcom C4, ch 5 is "Deutsche Welle TV," a worldwide television service in German, English, and Spanish. I'd like to see other international broadcasting services start worldwide television services. These channels could consist of news, documentaries, and the best of their domestic programming.

I have three suggestions for new sports channels: "The Bowling Channel," "The Tennis Channel," and "The Skiing Channel." With the success of the "Golf Channel," why not have other channels based on these sports?

"Nick at Night" has become very popular, so how about full time channels based on different types of old shows? The "Sitcom Gold Network" would feature half hour comedies from the 50's and early 60's. "Sitcom Silver" would feature newer sitcoms. "TV Westerns Channel," "The Variety Show Network," "Action Series TV," and the "Drama Series Network" are self-explanatory. There are so few old series shown on cable now that were a part of my childhood that I would like to see again. One of the most watched channels in our house is the "Game Show Network."

To round out, the niche channels I'd like to see are:

"The Motivation Channel:" speeches by non-religious uplifting speakers and feel-good news stories.

"The Money Channel:" money markets and investing information.

"TV Flea Market:" home shopping with a difference that allows someone within an hour or two a week to sell their wares on television. On satellite there are several people who sell watches or coins for a few hours a week and if these disjointed "sales channels" were joined together, they would be easier to find and their sales would improve.

"The Occult Channel:" no explanation needed.

"The International Music Channel:" Non-English language music videos.

"The Local News Channel:" local newscasts from TV stations from around the country.

"The Women's Network:" An American version of the Canadian cable channel featuring programs related to health and women's issues.

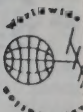
And my final proposal for a new channel is called the "Composite Channel," made up of programs from proposed new channels. This would allow the programmer to build up a stockpile of programming, and to see if there is a market or niche for their channel. The viewer would be given an opportunity to respond to these programs. This channel would be similar to TCI's "tv!" network, which is not available to the home dish market, but it would not include programming from existing cable networks.

This concludes my "wish list." If anyone has one of their own, I'd like to hear it. Till next time,

73's, best of DX and happy sky scanning,

Steven P. Sprachman 43





**WORLDWIDE TV-FM DX ASSOCIATION**

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